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U. S. Department of Agriculture

1937



SIGNORA

One of the
world's new
outstanding
roses

See page 16

Annual Catalog

FLOWER, FIELD & GARDEN
SEEDS, POULTRY SUPPLIES

Monarch
SEED & FEED CO.

MEDFORD,
OREGON



NEW COLLARETTE MARIGOLD, CROWN OF GOLD

Gold Medal, All-America Selections, 1937

A new kind of Marigold with a Chrysanthemum-like crown surrounded by a collar of big, broad petals of the same color, bright golden orange. It is the only Marigold with entirely odorless foliage. The flowers have a delicate fragrance. Plants grow about 2 ft. tall, bloom early, profusely and continuously until frost. Lovely in the garden; wonderful for cutting. Pkt. 25c.



PETUNIA, FLAMING VELVET

Gold Medal, All-America Selections, 1936

The only Gold Medal winner in last year's All-America Trials, Petunia Flaming Velvet has caused a sensation because of the uniform excellence of its velvety, rich, blood-red flower. It has not yet been widely grown, but after this year will be classed among the popular Petunia varieties. The plants are semi-compact in habit, about 15 inches in height, absolutely uniform, and the flowers are large and borne in great profusion. Pkt. 25c.



NEW SCABIOSA GRANDIFLORA ROSETTE

As the result of many years' selection and painstaking care, we have created a glorious new color in Annual Scabiosa. Rosette is a beautiful shade of deep rose heavily suffused with salmon. The flowers are extra large and the stems are long and stiff. This glorious, glowing new color will undoubtedly make Rosette a most popular flower for the garden and also with the florist for cutting. It is a fitting companion to Loveliness, Peach Blossom and Shasta, all of which have received Awards of Merit from the Royal Horticultural Society. Pkt. 25c.



MARIGOLD, DWARF ROYAL SCOT, ALLDOUBLE

Special Mention, All-America Selections, 1937

Royal Scot is a new achievement in Marigolds, new in color and new in that it is dwarf and double. Its growth is dwarf and bushy, every plant of a uniform shape and height of about 10 to 12 in. Color is a rich mahogany and gold in uniform stripes. It is a splendid plant for borders and blooms for a long period from mid-summer until frost. Pkt. 25c.



R. A. MIKSCHÉ
"Ray"
General Manager



R. M. MIKSCHÉ
"Bob"
Sales Manager



Exterior view of our large, modern retail store, conveniently located to serve you.



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OUTSTANDING QUALITY AT FAIR PRICES

While conditions are not as badly depressed as in the immediate past, nevertheless it behooves every one of us to buy with care and judgment. You will find our prices low, particularly when you compare quality.

There are many misleading price bargains set up these days, where quality and trueness to name are often forgotten; anything goes to get the order. This is not so with the Monarch Seed & Feed Company. Our every effort is bent toward giving you the utmost in values at a minimum of price. The standard of "highest quality" has always been sacred with us. In our 27 years of experience we have passed through many periods of falling prices but we have never lowered the Monarch standard of "highest quality" to meet the demand for cheap seeds and merchandise—and we never will.

Old customers can reorder knowing they will get the same high value for less money. New customers can order with assurance that they will get seeds, plants, bulbs and supplies which are the finest that can be produced. By ordering by mail from our catalog you get the pick of the best and you also get the kind of service that pleases. We deeply appreciate the loyal support of countless customers who have sent us their orders, year after year. We hope to hear from you again this year, and we thank you all, old customers as well as new, for your kind patronage. We know you will be pleased with anything you order from our 1937 catalog.

Very sincerely,

MONARCH SEED & FEED CO.
Miksche Brothers.

Customers Please Take Notice

Our Terms are Strictly Cash with Order. We prefer not to send seeds C. O. D. unless order is accompanied by at least one-third of the amount of order.

How to Remit. Send postal money order, express money order, or check. Stamps will do if your order is for a small amount.

Errors. We exercise every care in handling your orders, but should an error occur, kindly write us at once, and we will adjust it promptly.

All prices in this catalog are subject to change without notice.

Reports—Good or Bad. Will you help us to attain greater success by writing and telling us how our Seeds and Supplies reach you, how they grow and how you like them? We will certainly appreciate it. Your criticisms, if you have any, as well as your praises, are desired.

Non-Warranty. Most of the failures with seeds are due to causes entirely beyond our control, such as unfavorable weather or soil conditions, too deep or too shallow planting, etc., which renders it impossible for us to guarantee success. We therefore give no warranty as to description, quality or productiveness of any of the seeds we send out, and will not be in any way responsible for the crop. If the purchaser does not accept the goods under these conditions, they are to be at once returned.

WE DO NOT GUARANTEE REPLACEMENT OF GOODS SENT BY MAIL. An additional remittance of 5 cents will insure any mail package.

Notes About Parcel Post

Poisons can not be sent by mail, but may be shipped by express.

Weight limit in all zones 70 pounds.

Weight in pounds	Local	1st. Up to 50 miles	2d. 50 to 150 miles	3d. 150 to 300 miles	4th. 300 to 600 miles	5th. 600 to 1,000 miles	6th. 1,000 to 1,400 miles	7th. 1,400 to 1,800 miles	8th. Over 1,800 miles
1	\$0.07	\$0.08	\$0.08	\$0.09	\$0.10	\$0.11	\$0.12	\$0.14	\$0.15
2	.08	.10	.10	.11	.14	.17	.19	.23	.26
3	.08	.11	.11	.13	.17	.22	.26	.32	.37
4	.09	.12	.12	.15	.21	.27	.33	.41	.48
5	.09	.13	.13	.17	.24	.33	.40	.50	.59
6	.10	.14	.14	.19	.28	.38	.47	.59	.70
7	.10	.15	.15	.21	.31	.43	.54	.68	.81
8	.11	.16	.16	.23	.35	.49	.61	.77	.92
9	.11	.17	.17	.25	.38	.54	.68	.86	1.03
10	.12	.18	.18	.27	.42	.59	.75	.95	1.14

PETUNIA -
MINIATURE ROSE GEM

ZINNIA -
FANTASY
STAR DUST

POPPY -
AMURENSE YELLOW WONDER

NASTURTIUM - GOLDEN GLOBE

VERBENA -
FLORADALE BEAUTY

PETUNIA -
ROSE KING IMPROVED

PETUNIA -
FLAMING VELVET

MARIGOLD -
CROWN OF GOLD

NEW ALL - AMERICA

Each year expert flower seed growers throughout the world send seed samples of their most outstanding novelties for trials to be grown in various sections of the United States. These trials are observed by competent, impartial judges for their outstanding merits. We feel certain you will be pleased with the following list of these nationally known and admired flowers. Our generous packets give full cultural directions.

All seed offered is grown by the world's finest seed growers. None better can be obtained.

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Gold Medal, All-America Selections, 1937

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NEW MINIATURE PETUNIA ROSE GEM

Award of Merit, All-America Selections, 1936

Rose Gem is a charming addition to the new miniature group of Petunias which was started with Pink Gem. Rose Gem is the color which the public has been asking for in this miniature form. It is the rich deep rose that has made Petunia Rose of Heaven so popular. The plant is neat and compact, 5 to 6 inches high and smothered with rich rose colored blooms about 2 inches in diameter. Pkt. 20c.

ZINNIA, FANTASY, STAR DUST

Award of Merit, All-America Selections, 1937

To those who definitely do like an informal Zinnia, Star Dust will be welcomed with enthusiasm. It has the same shaggy-petaled, medium-sized flower as the mixture—a delicate, graceful bloom. The color is a rich deep golden yellow, one of the vibrant shades closely associated with Zinnias, while the very free flowering, 2½ to 3 foot plants are early blooming, coming into flower about 45 to 50 days from the time of planting. Pkt. 25c.

ICELAND POPPY, YELLOW WONDER

Special Mention, All-America Selections, 1937

Yellow Wonder is longer stemmed, larger flowered and more vigorous growing than any other Iceland Poppy. The showy, cup-shaped flowers grow about 4 in. across, are rich lemon-yellow; the clear yellow color is made especially vivid by the silky sheen of the broad, round petals. Plants are strong growing and very free flowering; the foliage is rich bluish green and deeply lacinated. It is showy in the garden and lovely for cutting. Pkt. 25c.

NASTURTIUM, DWARF DOUBLE, GOLDEN GLOBE

Award of Merit, All-America Selections, 1936

Golden Globe has more than justified its early claims to popularity. It is identical in color with the popular Golden Gleam, a vivid golden yellow. The plants are uniformly dwarf and compact and bear great quantities of the well-formed, semi-double, sweet-scented flowers throughout the season. Use it for a dwarf edging plant, for the rockery, for window boxes, or for general garden use. Pkt. 15c.

VERBENA, FLORADALE BEAUTY

Special Mention, All-America Selections, 1937

Floradale Beauty Verbena is a giant hybrid, the flowers varying from bright rose-pink to deep rose-red of exceptional brightness. Individual florets are of perfect form, fully rounded, and average 1¼ in. across; they make up into heads or trusses which measure 4 to 5 in. across. Plants are very free flowering and grow about 2½ ft. across. We can recommend Floradale Beauty as a worth while novelty. Pkt. 25c.

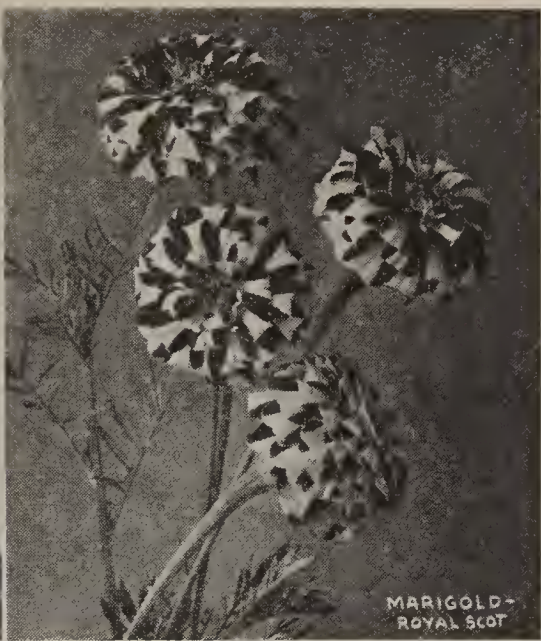
PETUNIA, ROSE KING IMPROVED

Special Mention, All-America Selections, 1936

A bed or border of Rose King Improved, the new and improved strain of Rose King, is a sight not soon to be forgotten. Its flowers are a clear, rich rose with



CORNFLOWER-JUBILEE GEM



MARIGOLD-ROYAL SCOT



PETUNIA-BURGUNDY

SEED NOVELTIES . . .

a delicate light golden throat, and the 18-inch plants are rather bushy, absolutely uniform, and literally covered with blooms. Besides its decorative value for the garden, Rose King Improved is an excellent cut flower variety, especially effective when combined with some of the blue flowers such as Ageratum or Delphinium. Pkt. 25c.

CORNFLOWER, JUBILEE GEM

Award of Merit, All-America Selections, 1937

Jubilee Gem is a dwarf variety of Cornflower making a compact plant literally covered with flowers. The plant is about 12 inches in height. Easy to grow, it is "everyone's" flower and is adaptable for almost any purpose to which a plant may be put. As an edging plant, a border plant, or for ground work in formal beds of Roses, etc., it will be found admirable; it is a fine cut flower and, above all, it may be sown outside in the autumn for spring flowering, or in the spring for summer flowering. Pkt. 25c.

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PETUNIA, BURGUNDY

Special Mention, All-America Selections, 1937

Petunia Burgundy is a large-flowered, plain edged variety (Petunia hybrida grandiflora). The color is a beautiful, velvety Burgundy-red in lovely contrast to the inconspicuous white throat. Pkt. 25c.

MARIGOLD DIXIE SUNSHINE

Award of Merit, All-America Selections, 1936

From the Land of Dixie to the gardens of the world comes this most charming Marigold. The large ball-shaped flowers are ingeniously composed of dozens of tiny five-petaled florets, gracefully interlocking, daintily fringed in effect. Brilliant golden yellow, 100% fully double, and but faintly scented. Whether in the garden, on tall, bushy plants literally smothered with blooms, or when arranged for home decoration, the strong stemmed flowers are a constant joy until frost. Pkt. 15c.

LARKSPUR, GIANT IMPERIAL, WHITE KING

Special Mention, All-America Selections, 1937

White King is without any question the finest Giant Imperial Larkspur developed since Carmine King. The flowers are a pure, glistening white with rounded broad petals. The florets are extremely large and fully double, measuring as much as 2 inches across and are evenly and closely spaced on the stem. This gives a very heavy Hollyhock-like cutting spike from 24 to 30 inches long. The plants are tall, well over 5 feet. White King is very early blooming, coming into flower more than a week earlier than other Giant Imperial varieties. Pkt. 25c.

LARKSPUR, GIANT IMPERIAL, CORAL KING

In Coral King is a new color never before seen in Larkspurs—blush pink, with a strong suffusion of coral which deepens and gets richer as the flowers mature. The florets are very large and fully double, with rounded petals. There is a magnificent length of Hollyhock-like flowering spike, averaging from 24 to 30 inches. The plants are from 5 to 5½ feet tall under our conditions, and are of the true Giant Imperial type, branching from the base. Pkt. 25c.

COSMOS, SENSATION, FINEST MIXED

Award of Merit, All-America Selections, 1936

For the short time it has been on the market, Cosmos Sensation has earned for itself a remarkably permanent position in the garden world. The flowers are mammoth in size, 4 to 5 inches in diameter, with broad, heavy fluted petals carried on very long strong stems. It is extremely early flowering, blooming in 10 weeks from the time of seeding. The mixture contains white, and shades of rose and pink. Pkt. 15c.

MARIGOLD, YELLOW SUPREME

Gold Medal, All-America Selections, 1935

Yellow Supreme has more than lived up to its reputation as a companion to the popular Guinea Gold. The color is a delightful light lemon yellow, and the flowers are of medium size, loosely ruffled or carnation flowered in formation. The plants are 2 to 2½ feet tall, compact and pyramidal in habit and very free blooming. Yellow Supreme has proven itself very popular, both as a garden subject and for cutting. Pkt. 15c.



MARIGOLD-DIXIE SUNSHINE



LARKSPUR-WHITE KING



COSMOS-SENSATION WHITE



MARIGOLD-YELLOW SUPREME

Annual and Perennial Flower Seeds



AGERATUM

ABRONIA, Sand Verbena

Umbellata. Annual of low growing habit. The plant is easily grown from seed planted in spring or fall and thrives very well in sandy places.

ACROCLINIUM

Acroclinium, mixed. Pretty white and rose, daisy-like flowers, so desirable for winter bouquets. Height 1 foot.

AGATHEA, Blue Marguerite

Splendid free flowering border perennials, producing almost continuously a wealth of daisy-like flowers of a mazarine blue. They are readily grown from seed and bloom the first season.

AFRICAN DAISY (See Dimorphotheca)

AGERATUM, Floss Flower

One of the most popular Summer blooming plants grown from seed, being literally covered with flowers from early Summer until frost. Excellent for borders, edgings, rockery, or pots. The taller varieties are fine for cutting. Do well in semi-shade.

Blue Ball. Compact round plants, 6 to 8 inches tall, hidden by a mass of pure blue flowers. Fine for dwarf beds and edging.

Imperial Dwarf Blue. Clear blue, bushy and free flowering, 18 inches.

ALYSSUM

One of the most popular garden flowers, remaining in bloom the entire season; suitable for beds and edging in Summer, or for growing in pots and boxes for Winter blooming.

Carpet of Snow. Pure white flowers on plants only 3 inches tall. Rapidly becoming a favorite variety.

Little Gem. Dwarf compact plants, densely covered with large white flowers; height, 4 inches.

Saxatile Compactum. Perennial. Sometimes called Basket of Gold. It grows compactly and is covered with a wealth of golden blossoms in late spring.

AMARANTHUS, Summer Poinsettia

Brilliant-foliaged annuals, growing from 3 to 5 feet high, some of the varieties bearing curious racemes of flowers. All are useful in borders of tall plants, or for the centers of large beds. They thrive best in a hot, sunny location and not too rich soil.

Molten Fire. Very ornamental and the most beautiful of all Amaranthus. Very easily grown from seed; leaves dark bronze, center Poinsettia red. Pkt. 15c.

Tricolor Splendens (Joseph's Coat). Foliage green, variegated crimson and yellow; height, 2 feet.

Mixed. All sorts.

ANCHUSA, Summer Forget-Me-Not

A free-flowering class, producing its charming Forget-Me-Not-like blooms in graceful sprays from early Summer until late Fall.

Blue Bird. Deep blue flowers on plants 18 inches tall.

ANEMONE, Wind Flower

A dainty Spring flowering perennial with cup-shaped blossoms; splendid for bouquets.

St. Brigid or Poppy. Flowers large, semi-double and double, in many colors. 18 inches.

ANTIRRHINUM, Snapdragon

Snapdragons have always been universal garden favorites. They are fascinating flowers, with their interesting form and glowing colors. They are easy to grow and will bloom continuously until severe frost, making a wonderful display and supplying unlimited cut flowers. Ordinary good garden soil will produce fine Snapdragons either in full sun or semi-shaded spots. Sow outdoors when danger of frost has passed, or indoors six weeks earlier.

New Rust Proof. See inside back cover.

Tall Giant Flowered

Apple Blossom. Rosy pink, white tube.

Canary Bird. Canary yellow, golden yellow lip.

Copper King. Velvety bronzy copper.

The Rose. Deep rose pink.

Snowflake. Pure white, yellow lip.

Ruby. Rich velvety, ruby red.

Choice Mixed.

AQUILEGIA, Columbine

These are among the most beautiful of Spring and early Summer flowers; very effective when grown in the herbaceous border and groups among shrubbery. Graceful spurred flowers on stems 2 feet or more above the fern-like foliage.

Crimson Star. (Award of Merit, Royal Horticultural Society.) Rich dark crimson sepals and spurs, in wonderful contrast to the white petals—a combination of colors entirely new in Aquilegia. Flowers are large, plants are vigorous; a wonderful novelty. Pkt. 25c.

Imperial Hybrids. Considered by many to be the finest mixture of long-spurred, giant sorts. Extraordinary range of colors and shades.

ARABIS, Rock Cress

Alpina. Early Spring flowering perennial; especially adapted for edging and rockery. Pure white blossoms; April-May; 1 foot.

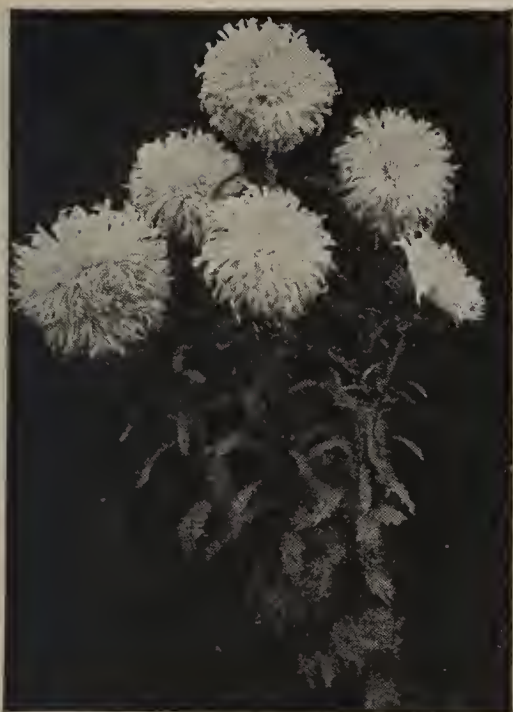
ARMERIA, Sea Pink or Thrift

Formosa. Very pretty hardy perennial with slender leaves and rosy-pink flowers. Invaluable for edging.



AQUILEGIA LONG SPURRED CRIMSON STAR

ANNUAL AND PERENNIAL FLOWER SEEDS



ASTER SUPER GIANT LOS ANGELES



ASTER AMERICAN BRANCHING



ASTER YOUTH

ASTER

We can imagine no other flower which combines so much beauty with grace and usefulness and with which more brilliant effects can be achieved. From July until September this flower reigns supreme in the garden, not equalled by any other. For these obvious reasons we give a great deal of attention to these flowers, and are in a position to offer our patrons remarkably fine strains, producing perfect flowers of great beauty. To do well, Asters require a well pulverized soil, always kept open by continuous cultivation.

Super Giant El Monte. See inside back cover.

Super Giant Los Angeles. Award of Merit, All-America Selections, 1934. Los Angeles was the first introduction in the modern Super Giant class, the flowers are fully double, 6 to 8 inches across, graceful and delicately interlaced. The long, stiff stems are basal branching and strictly non-lateral, bearing the large shell pink flowers smartly upright.

YOUTH. A new Victoria type aster. Bright chamomile rose touched with gold at center, semi-dwarf, 12 to 15 inches high. Blooms late August. Pkt. 15c.

IMPROVED CREGO WILT RESISTANT. The large shaggy flowers with long curled petals are not unlike the ostrich feather for which they are commonly named. The plants are strong, heavily branched and grow about 2½ feet in height.

Crimson. Glowing deep rose-crimson.

Pink. Attractive light shell pink.

Cattleya. Fascinating shade of orchid.

Purple. Showy violet purple.

Rose. Lovely bright carmine rose.

White. Purest white, large and fluffy.

Crego's Finest Mixed.

IMPROVED GIANTS OF CALIFORNIA. This Aster bids fair to become a universal favorite. Characterized by the well-known Crego type of flower, combined with the Beauty Aster's long, non-lateral, branching stems, the California Giants, double type Aster, stands at the head of the list.

White. Very large.

Light Blue. Very delicate.

Deep Rose. Rich shade.

Dark Purple. Very distinct.

Mixed. Above and others.

SINGLE CHINA ASTERS. Wilt Resistant. Not a few flower lovers consider the single forms more artistic and charming than the larger double flowers. The single Asters especially are very beautiful. The large daisy-like blossoms appear in the greatest profusion and are exquisite in bouquets.

Flesh Pink. Apple blossom.

Lavender or light blue.

Marshal Joffre. Dark scarlet.

White. Mixed Colors.

IMPROVED GIANTS OF CALIFORNIA SUNSHINE (Single). This fascinating new Aster type, rightly called the most beautiful in the world. The flowers, 4-5 inches across, are composed

of a single row of loosely placed outer petals which contrast with the unique yellow quill-like center disc. Stems are long and heavy, on plants from 2 to 3 feet in height. Blooms early to mid-September.

Apple Blossom or Shell Pink.

Enchantress Pink. Salmon pink.

Light Blue or Azure Blue.

Rose. Light rose or deep pink.

Finest Mixed.

AMERICAN BRANCHING. Wilt Resistant. Plants 2½-3 feet tall, branching, robust, flowers large, double and fine form, blooming in early September. Our selected stocks of these are the best money can buy.

Azure Blue or Dark Lavender.

Crimson.

Sensation or Scarlet.

Shell Pink (Mary Semple).

White. Extra select, long stems.

Finest Mixed.

AUBRETIA, False Wall Cress

Pretty dwarf-growing rock plants, forming broad masses of silvery green foliage and sheets of flowers in Spring and early Summer.

Large Flowering Hybrids, Mixed. Pkt. 20c.

BABY'S BREATH (See Gypsophila)

BACHELOR'S BUTTON (See Centaurea)

BALLOON VINE, Love-in-a-Puff

Cardiospermum. A rapid growing annual climber. White flowers are followed by interesting seed pods resembling miniature balloons.

BALSAM, Lady Slipper

An old and popular garden flower of easy culture. Gorgeous masses of brilliant colored double flowers are produced in the greatest profusion. Height, 2 feet.

Camelia Flowered. Finest mixed.

Rose Flowered. Finest mixed.

BEAN, Runner

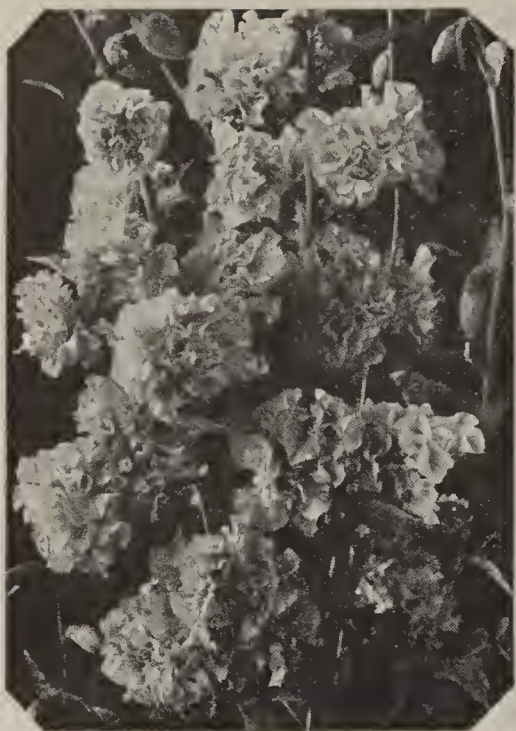
Scarlet. A rapid climber, flowering profusely; grows 10 to 15 feet high.

BEGONIA

A splendid class of plants, suited for bedding, borders, pots, and boxes. Blooms profusely and continuously right up to frost. Besides their use for the garden, they are fine indoors, blooming during the Winter.

Gracilis Luminosa. Small pink flowers in great profusion

ANNUAL AND PERENNIAL FLOWER SEEDS



CLARKIA ELEGANS DOUBLE

BELLIS, English Daisy

A favorite perennial, which will stand the Winter if given the protection of a little litter. In bloom from early Spring until well on in the Summer. Seed may be sown any time from Spring until August. For best results, new plants should be raised from seed each year.

Double Finest Mixed.

BLACK-EYED SUSAN (See Thunbergia)

BLUE MARGUERITE (See Agathea)

BRACHYCOME, Annual Cineraria

Brilliant free-flowering annual blooming throughout the summer months and suitable for beds or borders. The dainty flowers resemble small Cinerarias. Height, 9 inches. Mixed colors.

BROWALLIA, Amethyst

Favorite annual, covered with beautiful rich blue flowers during Summer and Autumn in the garden. Blooms freely in Winter if the plants are lifted in Autumn and cut back. Mixed.

CALENDULA, Scotch Marigold

The colorful flowers make a wonderful display in the garden and are always admired by those who see them. Blooms freely in early Summer and continues into the Fall. Even though this plant prefers a sunny location and rather dry soil, it does well under widely different conditions, requiring little care to grow to perfection. 18 to 24 inches in height.

Orange Shaggy. Gold Medal, All-America Selections, 1935. One of the most interesting introductions is the new lacinated type, Orange Shaggy. Deep orange shading lighter at the center, exceedingly graceful and informal in appearance, it is a striking contrast to the formal Calendulas in general use. The plants are free flowering, neat and compact, bearing long stems which make the fringed petaled flowers equally useful in the garden or for cutting.

New Sunshine Calendula, Chrysantha. Gold Medal Winner, All-America Selections, 1934. A lovely, friendly newcomer. A clear, buttercup yellow in color with loosely arranged petals, incurved at center and reflexed at edges, somewhat like a Chrysanthemum. Flowers are mounted on strong, wiry stems a foot in length; excellent for cutting.

Radio. A late English introduction, a distinct new break. Flowers very full, petals quilled. Color a rich glowing orange. Double Mixed.

Jewell. Award of Merit, Royal Horticultural Society. Deep orange, rounded flowers, semi-dwarf.

Art Shades. Mixed.

CALIFORNIA POPPY (See Eschscholtzia)



CALENDULA CHRYSANTHA



BRACHYCOME

CALLIOPSIS, Tickseed

Very showy and splendid subjects for garden decoration as well as for cutting. Sow seed where intended to bloom in early Spring; thin out to 6 inches apart. Cut flowers as soon as they open, as this prolongs the blooming season until Autumn.

Drummondii (Golden Wave). Golden yellow, center dark, brownish red.

Tall Mixed.

Dwarf Mixed.

CAMPANULA, Canterbury Bell

Campanula Medium. One of the grandest of old-time favorites. These beautiful and effective hardy biennials reach a height of 3 feet and are covered with large bell-shaped flowers during Spring and Summer. Sow seed in late Spring or Fall in seed beds or boxes and later transplant to their permanent location.

Single Mixed.

Double Mixed.

Calycanthemum (Cup and Saucer). Perhaps the most beautiful type; distinct in form, with large bell or cup-shaped flowers surrounded at the base by a large calyx of similar color, the whole resembling a cup and saucer.

Single Blue, Rose, White, Mixed.

Annual Canterbury Bells. Gold Medal, All-America Selections, 1933. We have all wished for a Canterbury Bell that would not occupy the ground for so long before it flowered. An annual, when planted from seed, loads itself with flowers in less than five months, in colors the same as the biennial type, including the various shades of blue, pink, rose, and white. By making successive plantings all through the early spring, we can have these lovely flowers all summer and early fall. Finest Mixed.

CANDYTUFT, Iberis

Valuable for masses and edging, and considered indispensable for cutting. Seed sown in April flowers in June; successive sowings should be made at intervals. Hardy and easy to grow, blooming profusely. 1 foot.

Coronaria. Giant white Hyacinth flowered.

Umbellata. Crimson, Lilac, Rose, White, Mixed.

CARDINAL CLIMBER

Ipomoea Cardinalis. Graceful climber with cardinal-scarlet blooms 1 to 1½ inches in diameter. Rich, glossy, dark green foliage. Grows 15 feet tall and is in bloom all Summer.

CARNATION, Dianthus Caryophyllus

Few flowers surpass in beauty of form or delicious fragrance, the richly hued Carnation. The plants are branching but compact, and the handsome blossoms are produced on blue-green stems that are stiff but slender. The double flowers with their thick waxy petals are spicily scented.

Chabaud Giant. 18 inches. This variety blooms six months after seeding and continues throughout the Summer. The plants, robust and erect, supply handsome, double, clove-scented flowers of extra large size. This type should not be confused with the old, small-flowered Chabaud.

Mixed.

Marguerite. 20 inches. This well-known variety blooms five months after the seeds are planted and may be treated as an annual. The vigorous plants bear deeply fringed, sweet-scented flowers in a choice assortment of rich colors.

Double Mixed.

ANNUAL AND PERENNIAL FLOWER SEEDS

CASTOR BEAN (See Ricinus)

CENTAUREA

Particularly well adapted for border planting. The types cultivated for their flowers have bulging calyxes from which many finely cut petals expand. Others have a downy growth on their leaves, making the foliage quite ornamental. All of them are of easy culture from seed.

Cyanus Double (Bachelor Button). This superb class of Cornflowers produces handsome, large double blooms, effective out-of-doors and in bouquets.

Blue. **Rose.** **Mixed.**

Imperialis (Sweet Sultan). These beautiful long stemmed flowers with their soft velvety heads make very enchanting bouquets. They measure 2 to 2½ inches across while the entire plant stands about 2½ to 3 feet tall. You can grow them readily in any fair garden soil, and your friends are sure to admire them.

Mixed.

Americana (Basketflower). Immense, thistle-like flowers of rosy lavender.

Gymnocarpa (Dusty Miller). Finely cut, silvery white foliage, 12 inches.

Candidissima. Very decorative foliage plants for borders, etc. Silvery white leaves broadly cut. Flowers yellow.

CHEIRANTHUS, Siberian Wallflower

Allioni. This unusual little plant deserves a place in your rock garden or low border. Upright spikes bear numerous four-petaled flowers of dazzling rich orange. Though a hardy biennial, it flowers the first season from seed and when established will bloom throughout the Summer.

CHINESE LANTERN PLANTS

(See *Physalis Francheti*)

CHRYSANTHEMUM, ANNUAL, Painted Daisy

A showy and much admired class of flowers. Large, daisy-like blooms borne profusely during the Summer and Fall. Excellent for beds, borders and cutting.

Finest Single Mixed. Includes all colors and gives a wonderful display in beds or borders.

Coronarum, Double Mixed. Lovely button-shaped blooms, 1½ inches across. Fully double; 18 inches tall.

CLARKIA

An annual, flowering in July, which should be far more widely known. It is of easy cultivation, graceful in habit of growth, and lends itself as well to bedding as for cutting. Flowers in long racemes which all open in water when cut.

Elegans. Double. Choice mixed.

COLUMBINE (See *Aquilegia*)

CONE FLOWER (See *Rudbeckia*)

COREOPSIS

One of our most popular perennials; the attractive flowers are borne in great profusion and are excellent for cutting.

Lanceolata Grandiflora. Single golden yellow flowers of graceful form.

Grandiflora Double Sunburst. Much of the beauty of early summer gardens is due to the brilliant golden yellow of Coreopsis plantings. The double flowers are large, 1½ to 2 inches across, deep golden yellow, and are excellent for cutting as well as for garden decoration. Fine keepers; plants are easy to grow.

COSMOS

No garden is complete without Cosmos. These old favorites supply a gorgeous, colorful effect during late Summer and Fall. Fine for cutting as the flowers last well in water. Cosmos are easy to grow.

Early Klondyke, Orange Flare. See inside back cover.

Cosmos Sensation. See page 3.

EARLY SINGLE. Grows 5 feet tall and blooms several weeks before the late-flowering varieties. Flowers 3 inches across.

Crimson. **White.**
Rose. **Mixed.**

EARLY DOUBLE CRESTED. Showy plants, 3 to 4 feet tall, covered with a mass of lovely, large flowers. Our strain produces a large percentage of double blooms.

Pink. **White.**
Crimson. **Early Double, Mixed.**

CYPRESS VINE, *Ipomoea Quamoclit*

A rapid-growing climber with soft deep green feathery foliage. The flowers are slender little trumpets with star-shaped rims. Due to its twining habit it will readily climb a stretched cord or light trellis.

Scarlet.

Mixed.

DAHLIAS (From Seed)

There is no more fascinating flower to raise from seed than the Dahlia, for the result is a series of surprises.

Single Mixed.

Double Mixed.

DIANTHUS, Annual Pinks

A charming class of annual flowers for beds, borders, edgings, and cutting. The dwarf, rather compact plants average 1 foot in height. Of easiest culture, succeeding in ordinary garden loam. Blooms from July until frosts.

Laciniatus Splendens. Special Mention, 1935 All-America Selections. The most striking Dianthus ever offered, Splendens has been considered worthy of Special Mention by the All-American Council. Free flowering and easily grown, the Dianthus family has for years furnished us with some of our most popular border subjects. Neat and compact in habit, bearing generous quantities of its large, sweet scented single flowers of brilliant crimson, with a boldly contrasted glistening white eye.

Chinensis, Double Mixed. This variety supplies an abundance of fringed double flowers. They resemble Sweet William, but the blossoms are larger.

Heddewigii Laciniatus Double Mixed (Japan). Superb flowers rivaling the Carnation in size and doubleness of blossoms. Excellent for bouquets.

Heddewigii Single Mixed. Large finely marked flowers having fringed petals.

Plumarius, Single and Semi-double Mixed. A pleasing perennial variety with deeply fringed flowers of a rich clove scent. They appear in a fine assortment of colors.

DIGITALIS, Foxglove

This ornamental hardy plant is used extensively for naturalizing in shrubbery borders and along the edges of woods. It grows well under almost all conditions, giving a wealth of bloom during June and July.

Gloxiniaeflora. This is an improved strain of the ordinary Foxglove, with handsome spotted Gloxinia-like flowers on long spikes.

Mixed.



CENTAUREA AMERICANA

ANNUAL AND PERENNIAL FLOWER SEEDS



DELPHINIUM BLACKMORE & LANGDON HYBRIDS

DELPHINIUM

One of the greatest charms of hardy Larkspurs is in their shades of blue which range from soft rosy lavender to violet and deepest indigo. The dwarfs are valuable in the border while the magnificent tall varieties are stately and beautiful in front of a shrubby background. Above the deeply cut dark green leaves rise long floral spikes.

DWARF CHINESE. A short hardy type desirable for low borders or even for bedding. It has the merit of reaching its full development the first season from seed started early. 1 foot.

Azure Fairy. Charming soft sky blue.

Blue Butterfly. Blossoms intense gentian-blue.

TALL HYBRIDS. Handsome sorts adapted to backgrounds. Plants grow from early sown seed will flower late the first season, but reach their full development the second year and thereafter. 5 feet.

Belladonna. A delightful shade of silvery blue.

Bellamosum. Rich, deep and intense blue.

Blackmore and Langdon Hybrids. Latest and highest development of the Hollyhock type of Delphinium. Very large single, semi-double, and double flowers. All the pastel shades from very light blue to indigo. Pkt. 25c.

DIDISCUS, Queen Anne's Lace Flower

Coerulea. Queen Anne's Lace Flower grows into an upright, very much-branched plant about 2 feet high. Each branch ends in an umbel of sky-blue flowers. It is easily grown and a splendid cut flower, lasting unusually long in water. Seed may be sown outdoors in a well prepared seed bed.

DIMORPHOTHECA, African Golden Daisy

The plants are of branching habit, growing about 15 inches high. An easily cultivated annual.

Aurantiaca Hybrids. Beautiful new hybrids of the African Golden Daisy. The flowers are equally large, but vary in

color from the purest white through the various shades of yellow and orange to rich salmon shades, many being zoned with several of these colors around the black disk. **Orange Improved.**

DUSTY MILLER (See Centaurea)

ENGLISH DAISY (See Bellis)

ESCHSCHOLTZIA, California Poppy

The state flower of California and one of the most attractive low growing annuals. The foliage is finely cut, fern-like, and silvery green in color. They start to bloom a few weeks after the seed is sown.

Grandiflora Hybrids. Large flowering varieties in the most exquisite shades of gold, copper, bronze, scarlet, purple and crimson.

Ramona Hybrids. A new strain containing many lovely shades. The plants grow compact and upright, with flowers beautifully frilled.

Double Eschscholtzia. The flowers are like little silken flags, beautifully fluted and crinkled, double and semi-double. The colors are rich yellow, orange and salmon.

Aurantiaca, Orange. The ordinary California poppy.

EVENING PRIMROSE, Oenothera

A twilight blooming plant. Flowers of brilliant yellow are often 3 inches across. Clusters of them decorate the tops of upright spikes which are arranged in the form of a candelabra.

Lamarckiana.

FLAX (See Linum)

FORGET-ME-NOT, Myosotis

The Alpestris varieties bloom in April and are largely used for bedding and borders, while other varieties bloom in May and continue until frost.

Alpestris, Blue. Blue with white eyes.

FOUR O'CLOCK, Marvel of Peru

A favorite showy annual for beds and borders. Excellent for planting in front of the porch or alongside the house. The plants bloom freely from July until frost.

Tall, Mixed. 2 feet tall with flowers in many fine colors.

Dwarf, Mixed. Variegated golden foliage. 18 inches tall.

FOXGLOVE (See Digitalis)

GAILLARDIA, Blanket Flower

Tones of orange, yellow, red, and maroon, often beautifully combined in a single blossom, make these flowering plants gay ornaments of the garden all Summer long. The foliage of soft green combines well with the flowers. The blossoms are 2 to 3 inches across. Both the annuals and perennials are favorites for the border.

Single Picta Mixed. Large daisy-like blossoms of yellow and bronze with central cones of yellow.

Double Picta Lorenziana Mixed. Globular heads of tubular florets in shades of sulphur, orange, and claret.

GEUM, Aven

Beautiful hardy perennials, bearing profusely large, showy, double, dark crimson flowers all through the Summer. An elegant flower for bouquets.

Lady Stratheden. A new golden yellow with large full flowers of great beauty.

Mrs. Bradshaw. Large, double, brilliant orange-scarlet. In flower throughout the entire Summer.

GODETIA, Satinflower

Very handsome annual plants especially suited for semi-shady locations. Sow in Spring in the open and thin to 8 or 10 inches apart. The flowers are bright and colorful and the single sorts are not unlike the Azalea in form. The double varieties are popular for cutting.

Semi-Dwarf Single. Bushy plants covered with broad petaled cup-shaped flowers two or three inches across and of a rich satiny texture. 12 inches.

Tall Double. Long graceful spikes are decorated with double blossoms resembling satin pompons one above another. 2 feet.

ANNUAL AND PERENNIAL FLOWER SEEDS

ORNAMENTAL GOURDS

Ornamental Gourds are easily grown in rich soil, where they will produce plenty of fruits. They may be trained on trellises and the ripened fruits used for ornaments.

Small Mixed.

Large Mixed.

GYPSOPHILA, Baby's Breath

Pretty, free-flowering annuals and perennials. Their misty white panicles are largely used for mixing with other cut flowers.

Elegans grandiflora alba. This is an improved, large-flowering, pure white form of the annual Baby's Breath

Elegans grandiflora rosea. Delicate rose.

Paniculata. Hardy perennial. White. Blooms first year if sown early. Height, 2 feet.

HELIANTHUS, Sunflower

Well known and popular plants; the small flowering sorts being useful for cutting. The tall varieties are valuable for backgrounds.

Cut-and-Come-Again. Single golden yellow flowers with petals twisted like a Cactus Dahlia. (Small flowered sort.)

Russian Mammoth. Immense single yellow flowers on tall heavy stalks. 6 feet.

HELICHRYSUM, Straw Flower

The finest of all Everlastings for the home garden. They are very handsome when growing in the open and make unusually fine Winter bouquets if cut when partially opened and dried slowly in a cool place, heads downward to keep the long stems straight. The centers of the double pompon-like flowers are nearly covered by the stiff overlapping petals. They come in a wide range of brilliant and soft colors.

Finest Mixed.

HELIOTROPE

A well known and highly prized plant on account of the delightful fragrance of the flowers. Seed started indoors in the Spring will make fine plants for Summer blooming. Can also be sown outdoors in May. Excellent for pots, or for bedding. 18 inches.

Choice Mixed.

HOLLYHOCK

One of the most popular of hardy garden plants. The beautiful color effects produced by the planting of these flowers, combined with their dignified and stately appearance, render them indispensable for either the old-fashioned garden or the well planned herbaceous border.

Single Annual, Finest Mixed.

Double, Finest Mixed.

HUNNEMANNIA, Yellow Tulip Poppy

Seed sown early in May will, by the middle of July, produce plants covered with their large buttercup yellow, poppy-like blossoms, and are never out of flower until hard frost. The plants grow 2 feet high and are quite bushy, with beautiful feathery foliage.

Sunlite. Award of Merit, All-America Selections. Semi-double, canary yellow.

IBERIS (See Candytuft)

ICELAND POPPY

(See Poppy Nudicale)



ORNAMENTAL GOURDS



ESCHSCHOLTZIA HYBRIDS



HUNNEMANIA SUNLITE

IPOMOEA, Morning Glory

Climbers of rapid growth, with beautiful and varied flowers. For covering walls, trellises, arbors, or stumps of trees they are invaluable.

Clark's Mammoth Blue. A variety that is bringing new popularity to Morning Glories. It is an early blooming climber, literally covered with lovely flowers of sky-blue. Flowers 3½ inches across and blooms until frost. Pkt. 15c.

Rose Marie. Double. Rose-pink, double and semi-double flowers. A fitting companion to Clark's Mammoth Blue.

Mixed Imperial Japanese. These are beyond question the handsomest of all Morning Glories. The flowers are of gigantic size and their colorings beyond description.

LANTANA

A Brazilian shrub that makes a splendid display the first season from seed. Above the large somber green leaves Verbena-like clusters of fragrant flowers rise in prolonged succession. In a single cluster all the shades of crimson, rose, yellow, and orange appear.

Hybrida Mixed.

LARKSPUR, Annual

Annual Delphiniums are adorned with finely cut, feathery foliage of soft green which sets off to advantage the handsome long floral spikes of double blossoms. The colors are very satisfying for they range from pure white through soft shades of lavender and pink to deep blue.

New Rosamond, Stock Flowered Strain. Gold Medal Winner, All-America Selections, 1934. Acclaimed the most distinct introduction. The color is a new bright rose that holds well until out of bloom. Blooms two weeks earlier than others; exceptionally uniform, bearing numerous good spikes.

Giant Imperial White King. See page 3.

Giant Imperial Coral King. See page 3.

TALL DOUBLE STOCK FLOWERED. The following varieties with lateral branches are quite spreading, but they produce many fine spikes.

Sky Blue.

Dark Blue or Purple.

Lustrous Carmine.

Pink.

White.

Mixed.

GIANT IMPERIAL. This newer form produces plants of erect habit, branching from the base, affording longer stems for cutting.

Blue Bell. Azure blue.

Blue Spire. Very deep violet blue.

Lilac Spire. Exquisite lilac color.

Los Angeles Improved. Brilliant pink on salmon.

White King. Pure white.

Finest Mixed.

ANNUAL AND PERENNIAL FLOWER SEEDS

LINARIA, Miniature Snapdragon

This interesting species bears flowers which resemble miniature Snapdragons ending in single elongated spurs. It includes both trailing and erect growing varieties which are little known but worthy of greater attention.

Fairy Bouquet. This is an erect sort with finely cut foliage and with blossoms clustered on upright spikes. The colors which are varied embrace many shades of crimson, orange, and blue. The plant is in flower within two months.

LINUM, Crimson Flax

Grandiflorum rubrum. An old favorite with large, rich crimson blooms borne profusely on plants growing 18 to 24 inches tall. Though the flowers last only one day, new ones appear every morning.

LOBELIA

A dainty and continuous blooming annual of compact growth, remarkable for its profusion of beautiful blue flowers. Unexcelled for edging, ribbon beds, hanging baskets or window boxes. Height about 6 inches.

Compacta, Crystal Palace. Erect and very free blooming. Best dark blue for edging. Fine for pots.

LUPINE, Sun Dials

Thrive in almost any situation. Sow where they are to bloom in May, and as plants grow, thin out to 1 foot apart. The annual varieties bloom freely from June until September, and the perennials make a fine addition to the hardy border.

Hartwegii, Annual, Mixed. 2 feet high. All shades and colors. Gorgeous.

Polyphyllus, Perennial, Mixed. 3 feet high. Long spikes of blossoms in Spring and early Summer. Hardy.

LYCHNIS, Rose Campion

Chalcedonica. Maltese or Jerusalem Cross, flaming scarlet, large ball-like flower heads.

MARIGOLD

Late in the season when many other growing things are past their prime, these plants supply an abundance of decorative blossoms. Their tones of orange and yellow blend well when the flowers are arranged loosely in bowls and vases. The bright green foliage is finely cut, and the stems are stout. Tall Marigolds give charm to the border, while the dwarfs are valuable for bedding and make ideal edging plants.

Gigantea Sunset Giants. See inside back cover.

Crown of Gold. See inside front cover.

Dixie Sunshine. See page 3.

Royal Scot. See inside front cover.

Yellow Supreme. See page 3.

Mexican Dwarf Orange. Distinctly new and different in flower form. It comes from Mexico, the original home of all our garden Marigolds. The plants are semi-dwarf in habit, growing 15 to 18 inches high, freely branched, and bearing quantities of large, unique semi-tubular petaled flowers of bright orange.

AFRICAN TALL DOUBLE (*Tagetes erecta*). Very large globular flowers composed of compact tubular or quilled petals. The stems should be cut carefully to avoid the somewhat disagreeable odor when bruised. 2½ feet.

Orange Prince. Rich, deep orange.

Mixed.

GUINEA GOLD (African). Carnation-like petals and unusually brilliant golden color makes this flower outstanding among Marigolds. It lacks much of the pungent odor of other Marigolds. The plant blooms very freely, and practically all of the flowers are double. 2 feet

FRENCH DOUBLE DWARF. This Marigold is more floriferous than the African, but bears smaller flowers. As a rule, instead of being quilled the petals are flat and overlapping. They are often two-toned, which adds to their beauty.

Double Mixed.

FRENCH DWARF SINGLE. This variety is quite similar in habit and usefulness to the dwarf double sorts except that each blossom has a single row of petals of rich golden yellow, beautifully blotched at the center with a clean edged spot of velvety garnet.

Mixed.

Dwarf French, Double, Monarch Strain. Award of Merit, All-America Selections, 1934. An excellent variety for low borders. A very compact type, with large double flowers, in a wide range of colors, in combination of orange, bronze, yellow and mahogany. **Finest Mixed.**



MARIGOLD FRENCH DOUBLE HARMONY

Dwarf French Double Harmony. Although it has never been entered in the All-America Trials, Harmony is in a class with gold medal winners, and would undoubtedly have been a winner had it ever been entered. The flowers are quite different from any other Marigold, Scabiosa-like in formation with tubular deep orange center petals flanked by broad velvety dark maroon-brown guard petals. The plants are dwarf and very early.

MARVEL OF PERU (See Four-o'clock)

MIGNONETTE, Reseda Odorata Grandiflora

This old-fashioned flower still enjoys the greatest popularity. Grown for its sweet perfume, which is most pronounced when grown in a light sandy soil.

Giant Machet. Compact plants with large reddish spike. Dark green savoy-leaved foliage.

Finest Mixed. Includes only large flowering varieties of sweet scented Mignonette.

MORNING GLORY (See Ipomoea)

MOSS ROSE (See Portulaca)

NASTURTIIUM

Few garden annuals respond with as little care as the Nasturtium. For ease of culture, duration of bloom, brilliancy of coloring and general excellency, they are unexcelled. All they need is a moderately good soil, in a well drained, sunny position and from within a few weeks from the time they are sown until hard frost comes, there is an endless profusion of their gorgeous blossoms.

Dwarf Double Golden Globe. See page 2.

Glorious Gleam Hybrids. Award of Merit, All-America Selections, 1935. Glorious Gleam Hybrids are delightfully sweet scented, beautifully double. The semi-dwarf plants throw short runners from well rounded free flowering bushes. The color range includes a brilliant blend of salmon, golden yellow, orange scarlet, cerise, cream, orange, maroon and crimson shades, and many spotted varieties. **Finest Mixed.**

Dwarf Double Gem Mixture. Novelty introduction, 1935. Our Gem Mixture, composed of an evenly balanced range of cheerful colors on dwarf, compact gem-like plants, is the ideal annual for border and edging use. The plants are truly dwarf and compact, totally without runners.

GOLDEN GLEAM (Novelty). This new type is of semi-trailing habit and is a new development in Nasturtiums. The plant forms a vigorous large bush which throws out short runners, averaging 18 inches. The sweet scented, large double flowers are of a golden yellow color and average 2 to 3 inches across.

TALL OR CLIMBING NASTURTIIUMS. For covering trellises, fences, arbors, piazzas, trailing from vases, over rock-work, etc., nothing can equal the gorgeous effect produced

(Continued on next page.)

ANNUAL AND PERENNIAL FLOWER SEEDS

NASTURTIUM

(Continued)

by their great quantities of bloom from early Summer until frost. The seed pods can be gathered while green and tender for pickling. Height, 8 to 10 feet.

Finest Mixed.

DWARF OR BEDDING VARIETIES. (Tom Thumb) Of dwarf, compact growth. Excellent for borders or for bedding, forming plants about 1 foot high by 1 foot across.

Finest Mixed.

NICOTIANA, Flowering Tobacco

Stately plants producing large, trumpet shaped blooms from midsummer until frost. Fine for beds and borders. **Affinis Hybrids, Mixed Colors.**

OENOTHERA (See Evening Primrose)

PAINTED DAISY (See Chrysanthemum, Annual)

PANSY, Heart's Ease

When the bright hues of the Tulips and Daffodils have faded, the rich, deep and varied shades of the Pansies provide a welcome change in the flower beds. The varieties listed produce large blooms of good substance, regular markings, and full rich coloring.

SWISS GIANT or ROGGLI. Within the last few years the blossoms of this strain have been remarkably improved in every way. The plants are compact in habit and they produce immense circular flowers for a long blooming season.

Finest Mixed. Pkt. 25c.

STEELE'S MASTODON. A vigorous Oregon type, particularly desirable for cutting as the plants are taller and have longer stems. Esteemed for bedding. A fine blend for bright effects.

Finest Mixed. Pkt. 25c.

POPULAR BEDDING MIXTURE. These are the popular saucy-faced beauties that everybody loves, comprising the finest varieties in all colors.

PAPAVER (See Poppy)

PENTSTEMON, Beard Tongue

Beautiful perennial plants for the hardy border. **New Hybrids, Mixed.** Produces large spikes. 3 feet.

PETUNIA

The seed may be started indoors early in the year in seed boxes and later transplanted or sown out of doors in the Spring. Cover very lightly and apply water with a fine spray. Be careful not to discard the smaller and weaker seedlings. From these the finest flowers are often obtained, the coarse growing plants frequently reverting to the common types.

Flaming Velvet. See inside front cover.

Burgundy. See page 3.

Rose King Improved. See page 2.

Miniature Rose Gem. See page 2.

DWARF SINGLE—NANA COMPACTA

Martha Washington. A lovely novelty of dwarf, compact growth. 9 inches high, smothered with brilliant blooms about 3 inches in diameter. The frilled portion of the flowers is a charming flesh pink and the center is strongly veined with wine red. **Pkt. 25c.**

Pink Gem. Plants 5 to 6 inches high, literally smothered with deep pink blooms. **Pkt. 20c.**

Admiral (New). Dark blue, large wavy-edged flowers, dwarf, compact plants. **Pkt. 25c.**

Mixed Colors.

SINGLE BALCONY PETUNIAS. A splendid large and free-flowering type for window boxes, vases, hanging baskets, etc. The flowers average 3 inches across.

Mixed Colors. Pkt. 15c.

SINGLE BEDDING PETUNIAS. These Petunias are used extensively for mass plantings. The dwarf varieties are ideal for edgings to taller plants, bedding, borders, and for pot culture, while the spreading varieties lend themselves admirably for large beds, borders, and porch boxes.

Pink Beauty. The flowers are quite large, of handsome form, brilliant rose pink with throat lightly suffused with yellow.

Heavenly Blue. (Silver Blue). Enchanting shade of light silvery blue. Dwarf.

Rosy Morn. Soft rose-carmine-pink with a white throat. Dwarf and close-growing.

Mixed. All colors. A very decorative show may be had by sowing these broadcast.

GRANDIFLORA SINGLE FRINGED. Blooms of truly giant size with exquisitely fringed edges. Start the seed indoors in boxes or pans.

Miranda. (Certificate of Honor, Royal Horticultural Society, 1935.) Rose carmine, dark throat. **Pkt. 25c.**

Pride of Portland. Bright rose pink. **Pkt. 20c.**

Elk's Pride. Very large deep purple. **Pkt. 20c.**

Mixed Colors.

RUFFLED GIANTS OF CALIFORNIA. Ruffled monsters, a half dwarf type of erect and robust habit. The flowers are very large and ruffled, with open shallow throats. The colors are mostly the desirable red and dark shades, richly marked and veined.

Mixed Color. Pkt. 25c.

DWARF GIANTS OF CALIFORNIA. A dwarf sturdy growing type especially suited to pot culture. Flowers are beautifully ruffled and fringed with open well marked throats.

Ramona Strain. Mixed colors. **Pkt. 25c.**

DOUBLE VARIETIES. We offer the finest strain of double Petunias and suggest that seed be started indoors in boxes or pans. The small, crumpled seedlings will give the finest flowers.

Choice Mixed Colors. Pkt. 25c.

Triumphant, All Double Mixed. (Award of Merit, All-America Selections, 1934.) All double giant fringed. **Mixed colors. Pkt. 35c.**

PHLOX DRUMMONDI

A valuable and showy annual highly esteemed for bedding, for massing and for borders. The plants grow about 1 foot high, thrive in practically any soil if given a sunny location and bloom the entire season. Seed may be started in boxes and transplanted or sown in the open in Spring.

Mixed Colors.

DWARF OR COMPACT VARIETIES. The plants grow very symmetrical, in neat little bushes, 6 to 8 inches high and are covered with flowers during the whole Summer and Fall. Excellent for bedding or edging.

Choice Mixed.

STAR VARIETIES. The petals of these flowers have fringed or toothed edges, darker centers, and margins of a different shade, giving them the appearance of twinkling stars. Otherwise, they are similar to the large flowering kinds.

Choice Mixed.

PHYSALIS FRANCHETI, Chinese Lantern Plant

This hardy biennial plant grows to a height of about 2 feet and is a profuse bloomer, producing many large, striking flowers of a beautiful, brilliant orange red color resembling Chinese lanterns in shape.



SINGLE FRINGED PETUNIA

ANNUAL AND PERENNIAL FLOWER SEEDS



SCABIOSA CAUCASICA

POPPY

Annual Poppies should be sown as early as possible in the Spring where they are to remain as they do not transplant readily. It is advisable to mix the seed with builders' sand, using about 25 times as much sand as seed, and then carefully broadcast seed on the surface of the ground and firm well. Plants should be thinned out to stand about 6 inches apart for best results. Seed may be sown in rows also and in succession up to the middle of May.

SHIRLEY. Known as the Flanders Field Poppy of the World War. The plants with their deeply cut foliage, slender hairy stems, and silky petaled blossoms, often fluted, present a delicate airy picture as they nod in the slightest breeze. 18 inches.

Single American Legion. This is a dazzling scarlet with white cross at center. The best substitute for the wild Flanders Poppy.

Single Mixed. A superb blend of this beautiful type of Poppy ranging in color from pure white through tones of salmon, pink, and rose to brightest carmine-red.

Double Pink Shades. This charming sort with its double and semi-double flowers in several shades of pink is of great merit.

TALL SOMNIFERUM. These robust plants are of imposing stature, carry an abundance of thick wide leaves, and bear large flowers on stout stems. 3 feet.

Double Carnation Flowered Mixed. Perfectly double, globular flowers with fringed petals in many brilliant colors.

NUDICAULE (Iceland Poppy). This hardy Poppy slightly resembles the delicately formed annual Shirley. However, the plants are somewhat different in habit and contain many shades of yellow and orange. 18 inches.

Yellow Wonder. See page 2.

The Emperor. Truly regal among this exceptional group of Poppies. The Emperor stands forth in a class by itself. It is without a doubt the very finest orange Iceland Poppy ever produced, with extremely large fluted petaled flowers composed of broad, overlapping petals, many flowers having extra petals. The strong, straight stems are very wiry, 18 to 22 inches long, and bear the large flowers majestically whether in the garden or when used for cutting. A perennial, it blooms freely the first year from seed. Pkt. 25c.

The Empress. To brighten the garden in early spring you could make no better choice than The Empress. It is distinct from all other strains, a remarkable new giant flowered Poppy which is excellent for cutting and delightful in the garden.

The flowers are very large and well formed, with broad petals which are deeply fluted or wrinkled, giving a most delightful effect of semi-doubleness. In color it is unique; lovely shades of salmon rose and pink never before seen in Nudicaule Poppies. Pkt. 25c.

Sunbeam. Since it is more thrifty, with finer stems and handsomer flowers, this is an improvement over the original Iceland strain. The plants will produce flowers the first season from seed sown early.

Mixed.

ORIENTALE. These are the royal members of the Poppy family. They are majestic in all their characteristics, have magnificent foliage, sturdy stems, huge cup-shaped flowers with crinkled petals, and large decorative pods. 2½ feet.

Mixed Hybrids. A splendid collection mostly red, with some white, rose, lavender, orange, and crimson.

PIN CUSHION FLOWER (See Scabiosa)

PINKS (See Dianthus)

PORTULACA, Moss Rose

Brilliant hardy annual, of easy culture; excellent for massing in beds, edging or rock work, thriving best in a light, sandy soil and a sunny situation. Flowers of the brightest colors.

Double Mixed.

Single Mixed.

POT MARIGOLD (See Calendula)

PRIMULA, Primrose

Among the finest and most important Winter blooming pot plants, easily grown. Seed sown in March or April will bloom in Winter.

Malacoides (Baby Primrose). Large flowers in profusion on long stems; lavender-pink. Pkt. 15c.

PYRETHRUM

This plant is cousin to the Chrysanthemum and Matricaria and should play an important part in many a well planned garden.

AUREUM (Golden Feather). An ornamental golden leaved bedding plant with white petaled blossoms. It should be used as an annual.

ROSEUM (Painted Daisy). The plants are erect growing, consisting of upright slender stalks adorned with fern-like leaves and carrying fine terminal blossoms.

Single Mixed. Radiating petals in many tones of rose and red about a golden center.

RED HOT POKER (See Tritoma)

RICINUS, Castor Bean

Magnificent, tall, large-leaved plants of tropical appearance, succeeding in a warm, sunny location. Beautiful for large foliage groups and background. Mixed colors.

RUDBECKIA, Cone Flower

Bicolor Superba. Bright yellow flowers having a brown central disk. Blooms all Summer. Very fine as cut flowers. 2 feet.

SAND VERBENA (See Abronia)

SCABIOSA, Pincushion Flower

These beautiful hardy annuals are in great demand. They grow about 2½ feet high and bloom from early in July without interruption until cut down by the frost. As a flower for cutting they are very popular. The various shades are extremely charming. Seeds should be sown any time in the Spring after danger of frost is past.

Rosette. See inside front cover.

Azure Fairy. Clear lavender blue.

Tall Double Mixed.

Dwarf Double Mixed.

HARDY PERENNIAL VARIETIES.

Caucasica. Giant Hybrids (Isaac House Strain). Fringed and ruffled, shades of blue from lavender to dark blue; very large flowers. Pkt. 25c.

ANNUAL AND PERENNIAL FLOWER SEEDS

SWEET PEAS

Giant Summer Flowering Spencer Types

In view of the ever-increasing number of new Sweet Peas, we take pleasure in offering to our customers a select list of thirty-four choice varieties most suitable for general garden use. This list includes twenty-four varieties recommended for garden cultivation by the National Sweet Pea Society of England, plus nine varieties which we have added to round out the color group for American purposes.

Strong vigorous growth of plant; long, stout flower stems and large flowers freely borne, are characteristic of all the varieties.

In the descriptions we have mentioned the awards which the originators of these varieties have received.

Pkt. 10c; oz. 25c.

BLUE

Blue Bell. Clear bright blue with a slight tinge of mauve on the standard.

Amethyst. Bright clear amethyst blue with a slight tinge of mauve on the standard. In this Sweet Pea you are being offered something superior.

Gleneagles. A most beautiful tone of light blue with just a suggestion of lavender. The flowers are exceptionally large; the standard broad and well expanded and frilled and waved to an extraordinary degree. Awarded First Class Certificate, Scottish National Sweet Pea Society Trials.

The Admiral. Largest and best navy blue. The color is richer and deeper than Fortune. Award of Merit, Scottish National Sweet Pea Trials. Award of Merit, Royal Horticultural Society.

CARMINE

Damask Rose. The brightest rose carmine Sweet Pea. This is an outstanding pea.

CERISE

Beatall. Pale blush cerise with a suffusion of salmon and rose. A very rich and charming Sweet Pea.

Charming. A bright rosy cerise. This sort carries fine bold flowers that are beautifully waved.

Mrs. A. Searles. Salmon-cerise, merging into a soft oriental-red. A remarkable and distinct color. No collection is complete without this beautiful Sweet Pea.

Flamingo. Orange and scarlet, heavily shaded cerise. Absolutely sunproof. Certificate of Merit and Silver Medal Scottish National Sweet Pea Society Trials.

CREAM

What Joy. Primrose, shading to cream. A charming tone and so far the nearest approach to a true yellow.

CRIMSON

Rubicund. Rich crimson scarlet. This is an exceptionally good sweet pea, lacking nothing in size, shape, stems and vigor. Award of Merit, National Sweet Pea Society.

Red Boy. The very best crimson. It is a first class Sweet Pea for all purposes, especially for general garden culture. Award of Merit.

Sybil Henshaw. Glowing blood-red. This has superseded King Edward Spencer as the standard crimson.

IVORY

Ivory Picture. Rich ivory cream, flushed pink. Black seeded.

LAVENDER

Ambition. Rich deep lavender, with a darker shade on the base of the standard and wings when young, lessening as the bloom ages. Gold Medal and Award of Merit, National Sweet Pea Society Trials.

Powerscourt. A clear pure lavender. Has been considered the best lavender for a number of years. It is still the most popular. The flowers are very pure in color.

MAROON

Warrior. Rich chocolate maroon. A magnificent variety which has held its place and popularity for a number of years.

MAUVE

International. Rich deep rosy mauve.

ORANGE

Pirate Gold. Golden orange, deeper than Guinea Gold and lighter than Prince of Orange. It withstands our hot California sun better than any other variety in this color class. Its distinct color is the most pleasing of the golden orange group.



George Shawyer. A giant orange pink, the standard showing more orange than the wings. The flowers are perfectly formed and nicely placed. Award of Merit, National Sweet Pea Society and the Royal Horticultural Society.

PICOTEE

Youth. The flower is strongly perfumed. It can be described as a white ground picotee but with slightly deeper color on the edges than its predecessor in this group.

Sunkist. Similar to Youth, except that it has a cream ground. Both these Sweet Peas are dainty color combinations.

PINK

Pinkie. Rose-pink with large and frilled flowers. This variety is seldom affected by weather conditions and first-class blooms can be cut all during its long blooming period. In every respect it is an outstanding variety. Silver Medal, Scottish National Sweet Pea Trials.

Ascot. Clear deep bright pink with heavily waved flowers.

Beauty. This is the largest and most vigorous blush pink Sweet Pea in existence and will displace all other varieties of similar color.

Magnet. Richest, brightest and best cream pink. One of the best exhibition and garden varieties. The flowers are of the largest size. Gold Medal, Scottish National Sweet Pea Trials. Award of Merit, Royal Horticultural Society.

Floradale. A most artistic flower of rich salmon-pink on cream ground. It received the Award of Merit of the National Sweet Pea Society of Great Britain.

Mayfair. The best, largest and richest colored shell-pink on white ground. Very sweetly scented. Award of Merit, National Sweet Pea Society Trials.

Jack Hobbs. Cream-pink, flushed scarlet. One of the largest Sweet Peas ever introduced. Gold Medal. Award of Merit, National Sweet Pea Society Trials.

PURPLE

Olympia. Deep rich purple of graceful form and immense size. Gold Medal, Scottish National Sweet Pea Trials.

(Continued on next page.)

ANNUAL AND PERENNIAL FLOWER SEEDS

SWEET PEAS

(Continued)

SALMON

Smiles. Clear glistening salmon, best describes this exquisite variety. The large flowers are beautifully waved and fluted. Award of Merit.

SCARLET

Welcome. By far the best and most brilliant, dazzling, scarlet Sweet Pea. For exhibition or gardens it is supreme. Absolutely sunproof. Silver Medal, Scottish National Sweet Pea Society Trials.

WHITE

Sextet Queen. Pure white flowers of perfect form and of great substance. Normally produces five-flowered stems when grown under ordinary conditions. When grown for exhibition on the Cordon system, will give six flowered stems with quite a number of sevens. Black seeded. Award of Merit, National Sweet Pea Society Trials.

Avalanche. Immense glistening white flowers. The blooms are very frilled. White seeded.

Special Mixture Spencer Sweet Peas. This is our special mixture and is a blend of all the most beautiful colors in Spencer Sweet Peas. Pkt. 10c; oz. 20c; ¼ lb. 50c.

CULTURE OF SWEET PEAS

Sow as early in the spring as the ground can be prepared in rich, deeply worked soil with good drainage. Cover the seeds about 2 inches deep with fine soil and supply support to the growing vines before they grow too large. Keep well watered during dry periods. One ounce of seed will plant a row about 15 feet long.

SAGE (See Salvia)

SALPIGLOSSIS, Painted Tongue

For delicate grace, richness of coloring, and velvety texture, the regal Salpiglossis has practically no equal. From a low base of leaves rise slender wiry stalks which bear one or more large Lily-like flowers in a magnificent range of colors.

Superb Mixed.

SALVIA, Flowering Sage

Brilliant flower spikes from late Summer until frost. The "Blues" are as attractive as the "Reds" and valuable as cut flowers.

Bonfire or Clara Redman. Scarlet red. Very erect and globular. 2 feet.

Splendens. Scarlet red. Loosely arranged flowers. 2½ to 3 feet.

Farinacea (Perennial). Pale blue flowers on long stems. 3 feet. Pkt. 15c.

SCHIZANTHUS, Butterfly Flower

One of our finest hardy annuals. Of easy culture in any good garden soil. Showy flowers of various colors, closely resembling some species of Orchids. Also useful as pot plants for late Winter and Spring blooming; for this purpose sow in Autumn.

Butterfly Mixture. Fine bright mixture, free flowering, compact pyramidal plants, 12 to 15 inches.

SHASTA DAISY, Chrysanthemum Leucanthemum

It is a hardy plant bearing large white, single blooms with handsome yellow centers. They are valuable for border decoration and especially pleasing in bouquets.

Alaska. Pure white, extra large flowers. Excellent for cutting. Perennial. 2 feet.

SNAPDRAGON (See Antirrhinum)

STATICE, Sea Lavender

Splendid plants, either for the border or rockery, producing all Summer, panicles of small flowers, which can be dried and used for Winter bouquets. 2 feet.

Mixed Colors.

STOCKS, Gilliflower

These popular flowers are easily grown, are so highly fragrant, and of such great beauty that they deserve a place in every garden. The Early Giant Imperial class are half-hardy annuals. Beauty Stocks are biennials, but if sown in early Spring will bloom the same year. They are also valuable for Winter forcing.

BEAUTY OF NICE. It follows the Ten Weeks class in season of bloom. The plants are pyramidal in shape, branching above the base. This sort is excellent for bedding and for cutting. 16 inches.

Mixed.

DWARF TEN WEEKS. This early class forms dwarf compact plants that are excellent for edgings or low beds. They often do well in sections where plants of the later types cannot be grown. 12 inches.

Mixed.

GIANT IMPERIAL. Long stems and imposing spikes of large flowers make this the outstanding variety for florists. It is about as early as Beauty of Nice and resembles it in habit, except that the plant is somewhat less spreading and considerably taller. 2 feet.

Mixed.

STRAWFLOWER (See Helichrysum)

SUNFLOWER (See Helianthus)

SWEET SULTAN (See Centaurea)

SWEET WILLIAM, Dianthus Barbatus

A well known, attractive, free-flowering hardy perennial, producing a splendid effect in beds and borders with their rich and varied flowers.

Newport Pink. Watermelon pink or salmony rose color. Very beautiful.

Scarlet Beauty. Rich, deep scarlet. A rare color in hardy plants and very effective.

Single Varieties, Mixed.

Double Varieties, Mixed.

THUNBERGIA, Black-Eyed Susan

Beautiful, rapid-growing annual climber, preferring a warm, sunny situation; used extensively for hanging baskets, vases, low fences, etc. Very pretty flowers in buff, white, orange, etc., with dark eyes. 4 feet.

Mixed Colors.

TRITOMA, Red Hot Poker

A perennial, not strictly hardy, but will live through the Winter with a protective covering of leaves or short manure; or the roots may be lifted and carried over Winter in sand in a cellar.

Mixed Hybrids. Pkt. 15c.

VALERIAN, Garden Heliotrope

Hardy perennial. Pinnate foliage and panicles of flowers with odor of heliotrope. 5 feet. June and July.

Red.

Mixed.

VERONICA, Speedwell

An elegant hardy perennial plant of easy culture and free flowering habit. Of value as a cut flower or for the garden.

Spicata. Bright blue flowers. 18 inches.



VIRGINIAN STOCK



DAHLIA FLOWERED ZINNIA



ZINNIA FANTASY

VIRGINIAN STOCKS, French Forget-me-nots

Small red, rose and white flowers about $\frac{3}{4}$ in. across. Fine for edgings. For continuous display until fall, several successive sowings should be made about two weeks apart. 6 to 8 in. Mixed Colors.

VERBENA

One of the most popular garden annuals for beds and massing and for a gorgeous display during the Summer months cannot be excelled, commencing to flower in July and continuing until frost.

Verbena Hybrida Grandiflora Crimson Glow. In all the rather long list of Hybrida Grandiflora Verbena varieties there has been none in a crimson shade until Crimson Glow was introduced. The flowers are pure, self-colored, glowing crimson, wholly without even a small light eye. The individual florets are of good size, although as is characteristic of the reds in Verbena, they are not as large as some other colors, such as pink and lavender. Crimson Glow is one of the most vivid

Verbena colors, and will occupy a prominent place in next season's gardens. Pkt. 25c. Mammoth Mixed.

WALLFLOWER

These half-hardy perennial and annual Wallflowers are grown for early Spring bedding and for their delightful fragrance. Perennial sorts should be sown in Autumn and carried over in coldframe. Annual sorts may be sown outdoors in March and will flower the first year from seed.

ANNUAL EARLY DOUBLE.

Mixed.

SINGLE ANNUAL.

Mixed.

PERENNIAL SINGLE.

Mixed Colors.

PERENNIAL DOUBLE.

Mixed Colors.

SIBERIAN WALLFLOWER. See Cheiranthus.

ZINNIA

One of the most showy and satisfactory of our hardy annuals for beds, mixed borders and for cutting purposes. Easy to grow in any good garden soil. They commence flowering early in the Summer and continue until frost.

Crown O'Gold Desert Gold. Desert Gold is an aristocrat among Zinnias. The flowers are large, double and well formed, on good cutting stems, generously produced on plants which reach a height of $2\frac{1}{2}$ to 3 feet. It is a good garden variety but its main claim to individuality and distinction is the delightful color combination of the flowers. The variety comprises the light and deep shades of gold while each petal is overlaid at the base with a deeper golden yellow. This bicolor effect is one of arresting beauty whether seen under artificial light or in daylight. Flowers will be produced about 60 days after the seed is planted. Pkt. 15c. See inside front cover.

Fantasy Star Dust. See page 2.

Fantasy. Award of Merit, All-America Selections, 1935. The most distinctive new Zinnia. As different from the ordinary formal Zinnia as one could imagine, the delicate, lacy petaled flowers lend an air of friendly informality to the garden or flower arrangement. The rounded, medium-sized shaggy flowers are borne profusely on $2\frac{1}{2}$ to 3-foot plants, in a wide and varied color range which includes the brightest shades of red, yellow and orange, as well as the popular pastel pinks and cream. Finest Mixed, pkt. 15c.

Scabious Flowered. Among the oddest and most attractive Zinnia forms, bearing a remarkable resemblance to the annual Scabiosa. The plants are extremely free flowering, 2 to $2\frac{1}{2}$ feet high, giving a wealth of bloom throughout the summer. While the color range includes all popular shades, it is particularly rich in shades of crimson, scarlet, orange, yellow and pink. Mixed colors, pkt. 15c.

Tom Thumb. These tiny flowered Zinnias have a charm the larger ones can never attain, and make a brilliant display. They come in attractive color combinations, red tipped gold, salmon and gold, primrose yellow with a hundred unusual intermediate shades. All colors mixed.

DOUBLE DAHLIA FLOWERED. $2\frac{1}{2}$ feet. Enormous double flowers are produced by robust branching plants. The flowers usually have slightly hollowed centers ringed with small

tubular florets. The petals are quite loosely placed and tend to curl at the edges, giving the blossoms a crisp, fresh appearance.

Canary Bird. Rich canary yellow.

Crimson Monarch. Deep crimson, large flowers.

Golden Dawn. Golden yellow.

Dream. Deep rosy lavender.

Exquisite. Light rose, deep rose center.

Oriole. Orange and gold bicolor.

Scarlet Flame. Bright scarlet.

Polar Bear. White.

Mixed.

DOUBLE LILLIPUT. 12 inches. A charming dwarf which is excellent for low borders or edgings. The plants are of tidy habit and produce a bounteous supply of very double pompon flowers about $1\frac{1}{2}$ inches across. The colors are bright and well varied.

Mixed.

DOUBLE GIANT. $2\frac{1}{2}$ feet. Plants are tall, branching, and vigorous. The flowers are usually brighter than the Dahlia-flowered type and are nearly as large.

Mixed.

DOUBLE ELEGANS (Cut and Come Again). 2 feet. These forerunners of the robust giant sorts produce relatively graceful plants adorned with fine double flowers about $2\frac{1}{2}$ inches in diameter, dome-shaped and evenly double. The colors are vivid.

Mixed.

HAAGEANA DOUBLE (Mexican Hybrids). The small flowered Mexican Zinnias have a charm all their own. The smaller flowers lend themselves to bedding and make a brilliant display and yet have stems long enough to make fine bouquets for small vases and bowls. The mixture contains many attractive colors and color combinations.

Finest Mixed.



ECLIPSE



MARY HART



COUNTESS VANDAL

ROSES TWO YEAR, FIELD-GROWN NO. 1

50c POSTPAID, THREE FOR \$1.25

PATENTED ROSES

Signora. Plant Patent applied for. This Rose from the land of sunshine and Chianti wine, is a real masterpiece, in both plant and bloom. Long bud of a warm burnt sienna opening to a lighter hue toward mandarin. The plant is tall growing with every bloom on a long stem. Foliage is handsome. Each, \$2.00.

Eclipse. Plant Patent No. 172. The international sensation of the year, awarded prizes in Rome, Paris and other test gardens. The long streamlined bud, enhanced by ornamental sepals, is of rich gold without shading. Petals are large and tough, but not numerous, averaging 20 to 25, with more in the autumn. "It Eclipses 'em all." Each, \$1.50.

Gloaming. Plant Patent No. 137. A cut flower variety which has proved a "winner" wherever grown. Its large buds are carried on long rigid stems amply clothed with handsome foliage. The plant is vigorous and branching, fairly tall growing. Bloom is of unusual coloring—fawn orange in the bud and the large full blooms are of a peculiar pink overlaid with salmon. Each, \$1.50.

Texas Centennial. Patent applied for. A sport of President Hoover with all its wonderful plant qualities. Color is blood red toning to cerise red in center. Most striking new red of unusual color. Each, \$1.00.

Blaze. Plant Patent No. 10. Acclaimed by the nation as the only hardy everblooming scarlet climber. Blaze combines the vigor, beauty and hardiness of Paul's Scarlet Climber with the everblooming qualities of a favorite everblooming Rose, propagated from blooming wood. Each, \$1.00.

Countess Vandal. Plant Patent No. 38. The Rose of Roses! "Countess" has been enthusiastically received by rose lovers everywhere. Its long pointed bud, its distinctive shadings of coppery-bronze suffused with soft gold and its form are a continuous "movie" developing new beauty at all times during its long life. Each, \$1.00.

Golden Climber. Plant Patent No. 38. Its buds, of the Hybrid Tea type are flecked with orange-scarlet and come on stems 18 inches or longer. Excellent for cutting. Golden Climber is a hardy, vigorous grower. Quality flowers, but sparse bloomer. Each, \$1.00.

Mary Hart. Plant Patent No. 8. A striking red sport of Talisman. The bud is maroon-red, opening to well formed blossoms of deep velvety blood-red with an overflow of amber. Unlike most red roses, Mary Hart does not wilt or dry out when cut, but opens perfectly. Each, \$1.00.

SIX NEW HYBRID TEA ROSES

65c each; 3 for \$1.75.

Condesa de Sastago. Distinctly two-toned, coppery-pink inside and golden reverse.

Director Rubio. Vivid cochineal pink, extremely large, double blooms.

E. J. Ludding. Large, double flowers of carmine-pink, borne singly on good stems.

Gipsy Lass. Scarlet-crimson shaded darker. Well shaped, very double blooms on strong plants.

Max Krause. Probably the most yellow Rose of the year for outdoor use—a gold that stays gold. Long bud and cup formed bloom of great substance freely borne on a long stem. Foliage leathery and unusually resistant to Rose troubles.

Sister Therese. Buds are large, long, dark golden and remarkably beautiful.

STANDARD BUSH ROSES

50c each; 3 for \$1.25

Angele Pernet. Deep flaming orange, changing to brilliant tango.

Autumn. Most extraordinarily colored rose-bud—burnt sienna; strong stems.

Chas. P. Killham. Double flowers and buds of blazing scarlet-orange.

Dainty Bess. Large, single flowers, 2½ to 3 inches across, with broad fimbriated petals of pure, soft rose-pink. The large flat clusters of stamens, held above vinous red filaments, provide a remarkable color effect.

Dame Edith Helen. A new, glowing, fragrant pink rose on erect, rigid stems. Free-flowering.

E. G. Hill. Great massive blooms of deep maroon, velvety on inside.

Etoile de Hollande. This brilliant red rose is very popular. Glorious, large blooms that hold their color in strong sunlight, never showing bluish tints. Sweetly fragrant. Growth strong. Resistant to mildew.

Frau Karl Druschki (Show Queen.) A remarkably vigorous grower. Its snowy-white flowers are very large, perfect in form, with large shell-shaped petals.

Golden Emblem. Large, double blooms of rich yellow; buds sometimes stained with red.

Hadley. Excellent, dark velvety crimson variety with long stems carrying the flowers well above the foliage. Very fragrant.

Irish Fireflame. Beautiful single Rose, bearing its flowers in clusters of five or more; buds are a rich, deep orange, flushed with crimson.

Joanna Hill. Long-pointed buds, opening to large, full, fragrant flowers of glorious clear sulphur-yellow, toned deeper in the center. Splendid for cutting. Vigorous, upright grower and continuous bloomer.

Kaiserin Auguste Victoria. The standard, double, pure white bedding rose.

Lady Hillingdon. A grand Rose for garden decoration as it blooms continuously. Buds very long. Pleasing shades of orange-yellow.

STANDARD BUSH ROSES

(Continued)

Lady Margaret Stewart. Copper-orange buds; bright golden yellow flowers.

Los Angeles. A vigorous grower and continuous bloomer. The long stemmed, fragrant flowers are brilliant flame-pink shading to coral and gold. Buds long and pointed.

Mme. Butterfly. Long buds and beautifully shaped blossoms of bright pink, suffused apricot and gold. A free bloomer and erect grower. Sport of Ophelia.

Mme. Edouard Herriot (The Daily Mail Rose). The long-pointed buds are coral-red, shaded yellow at base; open, semi-double flowers are beautiful coral-red shaded with yellow and bright rosy-scarlet. A vigorous grower.

Mrs. E. P. Thom. Well-formed buds and fairly large, double flowers of clear, even yellow, borne singly on good stems.

Mev. G. A. Van Rossem. There is no more brilliant and out-of-the-ordinary color in Roses than is found in this variety. The general color effect is intense orange overlaid on a dark golden yellow ground, the brilliant coloring being intensified by the rich bronze veins which stand out over the petals and look as though they had been pencilled on.

President Herbert Hoover. Long-pointed buds of scarlet and gold, opening to broad, semi-double flowers of creamy orange and deep rose, with huge, thick petals. Plants very vigorous. Fine for cutting.

Radiance. Very free flowering and a strong grower. The flowers are a beautiful blending of shades of carmine-rose with opal and carmine reflected, and are very fragrant.

Red Radiance. The same as radiance, except it is a beautiful shade of carmine-red and very fragrant.

Souv. de Claudius Pernet. A vigorous, erect grower with extremely beautiful bright green foliage and few thorns, producing many exquisite buds on long stiff stems. The flowers are large and full, of a clear sunflower yellow.

Talisman. The Rose of many gold medals. A combination of shadings of gold, apricot, yellow and deep pink or old-rose. The outside of the petals is bright yellow, gold and pink; as the flower develops and the petals unfold they become bright apricot, gold and deep rose-pink.

CLIMBING ROSES

50c each; 3 for \$1.25.

Hoosier Beauty. Fragrant, glowing crimson with darker shadings.

Golden Emblem. Cadmium-yellow flowers, bud splashed and shaded red.

Lady Ashtown. Exquisite, pointed blooms of vivid pink.

President Herbert Hoover. Maroon, orange and gold.

Talisman. Similar to the bush variety.

Paul's Scarlet. Flowers large, well-shaped, vivid scarlet-red, fading but little.

GLADIOLUS

6 for 25c, doz. 40c.

Betty Nuthall (Sal.) A glowing orange pink, with a light yellow throat, and a light feathering of carmine. The florets are often six inches across and are of splendid substance and placement.

Golden Dream (Groff). One of the best deep yellows. Very tall growing spike, with six or seven blooms open.

Apricot Glow. Clear warm apricot colored primulinus grandiflora. Extra fine tall spikes make it fine for cutting. Very early.

La Paloma (Dus.) Heavy textured, deep rich orange. Stands sun and rain better than most oranges. Tall strong, healthy grower.

Giant Nymph. Lovely light rose-pink suffused with creamy yellow in the throat. Giant flowers.

Los Angeles. Shrimp-pink, accentuated by glowing orange-carmine feathering in the throat.

Marmora (Errey). Beautiful lavender gray. Giant spikes with 7 or 8 enormous sized blooms open at one time. All perfectly placed.

Mary o'Mine. Pure white. Rather a large sort with long finger-like petals.

Mrs. Leon Douglas (D). Salmon-rose striped deeper. Several immense blooms on a 5 ft. spike. A leading commercial and exhibition variety.

Mrs. P. W. Sisson (Coleman). Creamy light pink. Tall, strong grower. Six or more large blooms open at a time. Outstanding variety.

Pfitzer's Triumph (Pf.) Blooms have a diameter of 6 inches or more and are of a bright salmon orange with velvet red blotch. A sensation wherever exhibited.



PICARDY

5 for 25c, doz. 50c.

Dr. F. E. Bennett (D). The popular, well known fiery red. One of the most brilliant scarlets grown. Fine large flower.

Picardy (Palmer). Color, soft apricot pink with a silvery sheen, feathering of slightly deeper color in the throat. The individual florets are extremely large, slightly ruffled and of a heavy waxlike substance.

4 for 25c, doz. 60c.

Ave Maria (Pf.) Large flowering. Light blue with small purple blotches. Excellent facing and remarkably good spike.

Berty Snow (Mair.) One of the best lavenders. Has good substances, large flowers and straight spikes.

Bleeding Heart (Brown). White tinted light pink with large red blotch. Tall, straight spike with 8 or 10 large perfectly placed blooms open.

Mother Machree (Stevens). Vinaceous lavender overlaid toward the edges of the petals with a sort of salmon pink. Color is difficult to describe but it is very beautiful. This is called a smoky but is really much different from the ordinary smokies.

Troubadour (Pf.) Large, clear purple. Tall grower with long spike with 6 or more large blooms open. The best large purple.

3 for 25c, doz. 75c.

Albatross (Pf.) Unquestionably the clearest white gladiolus ever introduced. Grows 5 ft. tall, has good substance and opens 5 or 6 large blooms at a time.

Commander Koehl (Pf.) Large dark scarlet red, without markings or blotches. Individual florets 6½ inches across, of which there are 6 or 7 open at a time.

Coryphee (Pf.) Purest pink imaginable. Perfect, well formed, large round flowers. Eight to ten in number, carried on an excellent spike.

Minnet (Coleman). Wonderful clear lavender. A lavender by which all others are judged. Six or seven wide open florets open at a time. Arranged perfectly on straight spike.

Pelegina. The large deep blue flowers have a strong appeal due to their color and fine arrangement of the florets.



VEGETABLE SEEDS

DWARF OR BUSH BEANS

One pound will plant a row 100 feet long;
about $1\frac{1}{4}$ bushels to the acre

How to Grow Dwarf or Bush Beans. Make the rows 18 inches or 2 feet apart, and drop the beans 4 inches apart in the row. If the soil is warm and loose, plant 2 inches deep; if rather cold and wet, plant only one inch deep. Beans, especially the yellow-podded varieties, will rot very easily if planted when the soil is wet and the atmosphere is cold. If you do not want to run the risk of replanting them, do not plant your beans until the soil is warm. Cultivate often but never when the plants are wet, as this brings on rust. Pick the beans as fast as they become fit to use; this makes them bear longer. Special Prices to market gardeners. Send your list to us for prices.

Green Podded Varieties

Prices postpaid: Pkt. 10c; $\frac{1}{2}$ lb. 20c; 1 lb. 35c.
Unless Otherwise Noted.

Monarch Giant Stringless Green Pod. Matures in 53 days. One of the best for home and market garden; very desirable for canning. Plant large, hardy, heavily productive. Pods medium green, 6 to $6\frac{1}{2}$ inches long; $\frac{3}{8}$ to $\frac{7}{16}$ inch thick, round; very fleshy, brittle and stringless. Seeds glossy yellowish-brown. A successor to Stringless Green Pod. Pkt. 15c; $\frac{1}{2}$ lb. 25c; lb. 40c.

Monarch Improved Stringless Green-Pod. Matures in 48 days. High quality for home and market garden. One of the favorites through the years. Splendid as a canning variety or for snap beans. Plant large, thrifty, heavily productive. Pods medium green; $5\frac{1}{2}$ inches long, almost $\frac{1}{2}$ inch wide and equally thick; very fleshy, strictly stringless, fine grained, tender. Seeds coffee brown. Pods similar to Giant Stringless Green Pod but a trifle shorter and thicker.

Stringless Refugee. Matures in 70 days. Excellent for canning. Young pods particularly valuable for canning and pickling whole. Plant very hardy; extremely productive. Pods medium green, very uniform, 5 to $5\frac{1}{2}$ inches long, round; absolutely stringless, very fleshy, brittle and fine grained. Don't confuse with Refugee or 1,000 to 1 as this variety is stringless.

Navy Beans. Matures in 90 days. This is the favored dry bean for baking and for soups. Very small, seed pure white, vines thrifty and very productive.

Wax or Yellow Podded

Monarch Davis White Wax. Matures in 52 days. Well adapted for shipping. Plant large and thrifty and productive. Pods attractive yellow; 6 inches long, straight, $\frac{1}{2}$ inch wide, thick, oval; fleshy and tender when young but become somewhat fibrous and stringy. An excellent dry bean for baking or soups.

Golden Wax. Matures in 48 days. A splendid home garden variety; also much used for canning. Plant small, productive. Pods very attractive; golden yellow; $4\frac{1}{2}$ to 5 inches long; $\frac{1}{2}$ inch wide, thick, oval; fleshy, brittle, stringless. Seeds white, splashed with violet-carmine and purple.



VEGETABLE SEEDS

POLE OR RUNNING VARIETIES

Prices postpaid, Pkt. 10c; ½ lb. 20c; lb. 35c, unless otherwise noted.

Culture. One pound will plant 50 hills, 30 pounds per acre. The soil should be mellow, rich and warm. Lay the ground out in hills 4 feet apart each way, and set poles 8 to 10 feet long firmly in the hills before planting the seed. Plant 5 or 6 beans in a hill and cover about 2 inches deep; leave three plants at each pole, and when a few inches high draw a little earth around them as support. Set the poles before the plants have grown to large size; many gardeners consider it an advantage to set the poles when planting, thus avoiding disturbing the small plant or its roots.

Monarch White Creaseback or Blue Lake Bean. Matures in 62 days. A splendid snap bean for home garden and early market. Good climber, heavily productive. Pods light green, 5½ inches long, ½ inch wide, almost as thick; nearly stringless, very fleshy, brittle, tender. Seeds white; excellent for baking. Because of the near-stringless character of this variety it is preferred by many to Kentucky Wonder. Pkt. 15c; ½ lb. 25c; lb. 40c.

Monarch Kentucky Wonder Wax. Matures in 67 days. Good climber, very productive. Pods waxy yellow; 8 inches long, ¾ inch wide, almost as thick as wide; practically stringless, fleshy, brittle, tender. Seeds chocolate brown. Prices at top of this page.

Kentucky Wonder (Old Homestead). Matures in 65 days. Unexcelled for home garden and for market. Excellent climber, thrifty, heavily productive. Pods medium green; 9 to 10 inches long, nearly round and ½ inch in diameter; slightly stringy, very fleshy, brittle, tender. Prices at top of page.

Scarlet Runner. Matures about same as Limas. Good climber. Flowers scarlet, decorative. Pods dark green; 6 inches long, flat oval; fleshy; desirable for snaps and green shell beans. Very attractive as porch or arbor cover. Pkt. 10c; ½ lb. 25c; lb. 45c.

London Horticultural (Speckled Cranberry). Ready for snaps in 65 days; green shell beans in 74 days. Splendid for home and market garden. Good climber, thrifty, heavily productive. Pods green, becoming splashed with carmine at green shell stage; 7 inches long, wide, thick, straight, stringless. Prices at top of page.



HOT-KAPS make for an earlier garden. Protect your tender plants from frost. See page 32.

LIMA BEANS

Prices postpaid: Pkt. 10c; ½ lb. 25c; lb. 40c.

King of the Garden Lima. Matures in 88 days. Climber, heavily productive. Pods 6 inches long, 1¼ inches wide, ¾ inch thick, usually with 4 or 5 beans. Seeds large, thick, flat, white. An improved strain of large White Lima. Prices at top of this page.

Burpee's Bush Lima. Matures in 75 days. Plant large, heavily productive. Pods large, 4½ to 5 inches long, 1¼ inches wide, ¾ inch thick; usually contain 4 large, thick beans. Dry beans large, flat, greenish-white. Prices at top of this page.

Small White Lima. Matures in 78 days. Heavy yielder. Pods 3½ inches long, ¾ inch wide, ¼ inch thick, with 3 or 4 seeds. Green shell beans small, flat, of splendid quality. This is similar to the Baby Lima, except it is a climber. Prices at top of page.



BEETS

Special prices to market gardeners. Send your list to us for prices



Culture. Well enriched, light soil is best adapted for the culture of beets. Sow in drills 1 foot apart and cover half inch. It is important that the earth be pressed firmly about the seed. When the plants are large enough, thin to 4 inches apart. Use thinnings for greens if desired. For early crop, sow as soon as the ground can be worked, and continue for succession until the first of July. Liberal manuring should be done for Mangels and Sugar Beets. They should stand 10 to 12 inches apart in the rows.

Morse's Good For All. Matures in 52 to 55 days. An excellent new variety developed from Detroit Dark Red. Especially fine for canning and pickling whole at 1¼ to 1½ inches in diameter. Roots smooth, even in size and shape, and almost perfectly globular; collar and tap-roots very small; interior deep crimson, free from white zones. If you know the superior excellence of Detroit Dark Red, you will need little introduction to this "baby" strain of the same beet. Unusual evenness of size and shape and almost perfect roundness when small make it the best variety yet for canning or pickling whole. Pkt. 10c; oz. 15c; ¼ lb. 35c; lb. \$1.00.

Monarch Detroit Dark Red. Matures in 52 to 55 days. The standard of excellence in table beets for home and market garden, for shipping, and for canning. Tops uniform, small, slender, erect. Roots globe-shaped; symmetrical, with small collar and small tap-root; very dark, blood-red. Interior very uniform in color, the zones so inconspicuous that the flesh seems to be one solid ball of deep blood-red meat; remains tender and of highest quality until roots are full grown. Pkt. 5c; oz. 15c; ¼ lb. 35c; lb. \$1.00.

Swiss Chard (Sea Kale). Large Ribbed White. The leaves are broad, somewhat waved, but smooth, and of a medium light yellowish-green. The stalks are broad and flattened, but tender and succulent. Pkt. 5c; oz. 15c; ¼ lb. 35c; lb. \$1.00.

MANGEL-WURZELS

Golden Tankard. Matures in 95 days. One of the best known and most largely grown yellow mangel, and especially recommended for the dairyman on account of its milk producing properties and the richer quality of the milk. Flesh firm, golden yellow. Can be grown closer than most varieties. Grows well above ground and easily pulled. Yields well on light soils. Oz. 10c; ½ lb. 35c; lb. 60c.

Giant Half-Sugar Mangel. Matures in about 90 days. Roots long oval, tapered; grayish-white with rose-colored shoulder; flesh white, rich in sugar. One of the heaviest croppers. Oz. 10c; ½ lb. 35c; lb. 60c.

Mammoth Long Red. The largest of the mangels and the heaviest cropper. Skin red, flesh white, zoned red. Roots very large, spindle shape, straight and thick. Grow 1/3 to ½ out of ground. Oz. 10c; ½ lb. 35c; lb. 60c.

VEGETABLE SEEDS

CAULIFLOWER

Culture. Cauliflower succeeds well in any soil that will grow good cabbage, but prefers a well enriched soil of loamy character. Sow seed early in February and March in hotbed, transplanting later to cold frame and thence to open ground.

Early Snowball. This is the most popular for home garden and market. Produces a good crop and a sure header. 1 kt. 15c; ¼ oz. 65c; oz. \$2.00.



CABBAGE

Culture. The earliest cabbage may be enjoyed in May from seeds sown in the house or hot-bed. Early Jersey Wakefield matures in 62 days, and later varieties in 90 to 105 days. Both early and mid-season varieties should be started in house or hot-bed, and for late or fall varieties sow the seed in the seed bed in June and early July. Plenty of room should be given plants, at least two feet each way. They need a light and well watered soil, rich in nitrogen. Frequent applications of nitrate soda or sulphate of ammonia or some other nitrogenous fertilizer will work wonders. Cabbage worms may be kept off by dusting with our Pestroy dust or spraying with arsenate of lead.

First Early Sorts

Monarch Copenhagen Market (Special Strain). Matures in 66 days. Distinctly and uniformly early. Splendid for early market and shipment; proving valuable as early kraut variety. Plant small, compact, allowing very close planting; stem short; heads uniformly round; firm; become 6 to 7 inches in diameter; weight 3½ to 4 pounds. Interior clear white and of excellent quality. Pkt. 10c; oz. 30c; 2 ozs. 55c; ¼ lb. \$1.00.

Early Jersey Wakefield. Matures in 62 days. Extremely early variety very valuable for home and market garden as well as for shipment. Plants very small and compact, allowing close planting; stem is short. Heads firm and conical, usually 7 inches long, 5 inches thick near base; weight 2 to 2¼ pounds. Pkt. 10c; oz. 25c; ¼ lb. 75c.

Early Dwarf Flat Dutch. Matures in 71 days. Excellent for home and market garden. Plants small and compact; stem short. Heads almost ball-shaped; commonly 7 to 8 inches in diameter, 6 inches deep and weigh 4½ to 5 pounds; firm and of high quality. Pkt. 10c; oz. 25c; ¼ lb. 75c.



Late Sorts

Danish Ballhead or Hollander (short stemmed strain). Matures in 90 to 100 days. The best late cabbage. Plants are medium sized with short stem. Heads large; flattened globe-shape; become 8 to 9 inches across, 6 to 7 inches deep, and weigh 7 to 9 pounds. Very firm and solid, of excellent quality, and keep perfectly in storage until late spring. 1 kt. 10c. oz. 25c; ¼ lb. 75c.

Giant Late Flat Dutch. Matures in 105 days. The best very large, late cabbage; popular for home and market garden and for fall shipment; a good keeper. Heads very large and flat, but deep; become 12 to 14 inches across, 7 inches deep; and weigh 12 to 14 pounds or more; firm and of good quality. Pkt. 10c; oz. 25c; ¼ lb. 75c.

Golden Acre Cabbage. Matures in 60 to 64 days. The earliest round headed cabbage; especially valuable for early market and shipping. Plants very small and compact; stem short; heads uniformly round; firm, commonly 6 inches in diameter and weight 3 pounds. This is similar to Copenhagen Market but is several days earlier, and the heads are smaller. It is as early as Early Jersey Wakefield. Because of the absence of large surplus outerleaves, Golden Acre can be planted closer in the row and the rows nearer, meaning more heads per acre. Pkt. 10c; oz. 35c; 2 oz. 60c; ¼ lb. \$1.00.



BRUSSELS SPROUTS

Dwarf Improved. A carefully grown strain; very hardy and giving compact, round sprouts of large size and good quality. Pkt. 10c; oz. \$1.00.

BROCCOLI

Culture. Plant in open ground in May and June, transplanting later when plants are of sufficient strength and size to place in field. Culture same as for Cabbage or Cauliflower.

St. Valentines. Fine quality, immense header; ready for market early. Heads remain in good condition longer than most varieties. Pkt. 10c; oz. \$1.00; ¼ lb. \$3.00.

CARROTS

Special prices to market gardeners. Send your list to us for quotations.

Culture. Carrot seed can be sown early and late in Southern Oregon. As soon as the ground can be worked in February carrots may be sown. They like a well cultivated and loamy soil. Use fertilizer liberally. Sow in rows (table varieties) 16 to 18 inches apart, and for field culture sow in drills 18 to 24 inches apart. Cover one-half to an inch deep and firm soil well over seed.

Morse's Red Cored Chantenay. Matures in 70 days. Distinctly improved over the original Chantenay. You'll marvel at its uniformity and appealing color. The deep orange-red color and smooth symmetrical shape are combined with just the right size to make it irresistibly appetizing. Its beauty is not merely skin deep; it goes clear through to the very center. Roots 5½ to 6 inches long, 2¼ inches thick at the shoulder, tapered, stumprooted; flesh and core reddish-orange, fine grained and tender; of sweet, delicate flavor. Pkt. 10c; oz. 20c; ¼ lb. 40c; lb. \$1.00.

Monarch Corless Carrot. Matures in 68 days. One of the best for home garden and early market. Tops small. Roots bright orange; 6 to 7 inches long, 1¼ inches thick; cylindrical; stumprooted. Flesh bright orange, of highest quality; core inconspicuous. Undoubtedly one of the best carrots grown. Not a tapering variety. Fine for bunching. Pkt. 10c; oz. 20c; lb. \$1.00.

Danvers Half-Long. Matures in 75 days. Very productive and popular for home and market garden; much used for shipping. Roots bright deep orange, 6 to 7 inches long, thick, uniformly tapered to the blunt end. Flesh bright orange, crisp and tender. Pkt. 10c; oz. 15c; ¼ lb. 40c; lb. \$1.00.

Large White Belgian. Extensively grown for stock. Grows above ground. Oz. 15c; ¼ lb. 35c; lb. \$1.00.

VEGETABLE SEEDS

CUCUMBERS



Culture. Reasonably good soil that is fully exposed to the sun will raise a good crop of Cucumbers. Every family should be supplied from its home garden, since the fruit is so much better when gathered fresh from the vines as desired for use than it is in the more or less wilted condition in which it is found on the market. Cucumbers are close relatives of melons but mature in about 60 days and may be brought to maturity with little trouble in the home garden. The seeds must be sown after the ground becomes warm, and the plants thinned to three or four to the hill. A very rich soil is the best precaution against insects and the blight. The striped beetle should be kept away from the young plants with liberal applications of powdered DUTOX. Dust the under side of the leaves with NICO-DUST to kill aphids.

Monarch Improved Long Green. Matures in 72 days. The most popular and one of the best for the home garden; particularly desirable for slicing. Fruits rich dark green; black spined; 12 inches long; $2\frac{1}{4}$ to $2\frac{3}{4}$ inches thick; straight; cylindrical; with few seeds. Carry a distinctive flavor, make excellent pickles, and when yellow and ripe the best sweet pickles. Pkt. 5c; oz. 30c; $\frac{1}{4}$ lb. \$1.00.

Early White Spine. Matures in 60 days. The most popular white spined cucumber for the home garden; extensively grown for shipping. Fruits medium dark green; remain in good condition remarkably long; 7 inches long; $2\frac{1}{2}$ inches thick; slightly tapered; blunt. Pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 60c.

Boston Pickling. Matures in 60 days. Splendid pickling and slicing sort. Fruits medium dark green; black spined; 6 to 7 inches long; $2\frac{1}{2}$ inches thick; symmetrical; only slightly tapered. Pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 60c.

Lemon Cucumber. Matures in 65 days. Fine for preserves. Yellow in color, fruits round. Fine for salads. Every garden should contain a few hills of Lemon Cucumber. Pkt. 5c; oz. 25c.

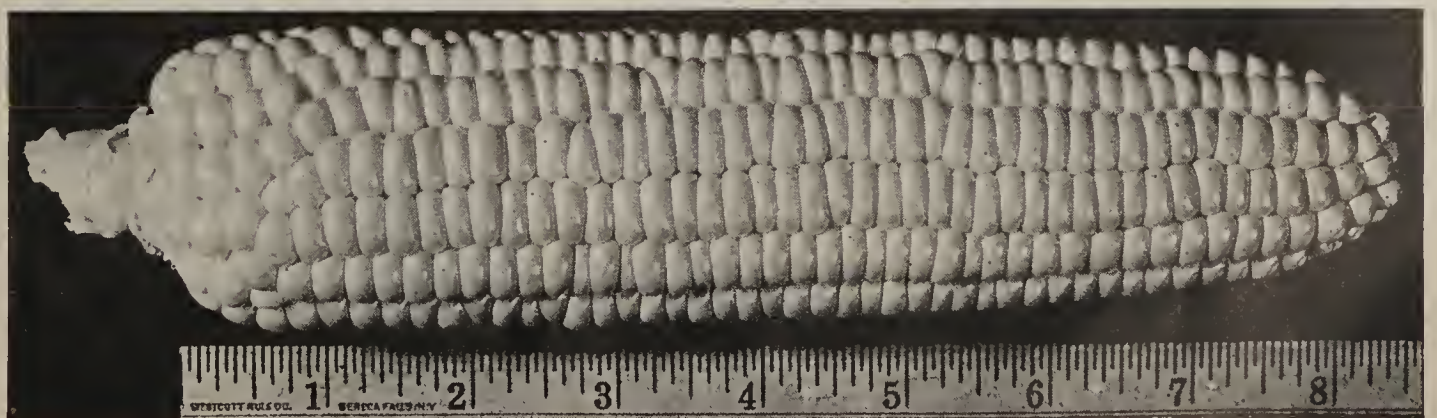
Straight-8. This outstanding new variety produces symmetrical, cylindrical fruits about 8 inches long and $1\frac{1}{2}$ inches in diameter. The fruits are well rounded at the ends and when in condition for use are deep green and free from objectionable striping or tipping. Ideal for shipping or for home or market garden. Pkt. 15c; oz. 40c; $\frac{1}{4}$ lb. \$1.25.

CELERY

French Golden Self-Blanching. The best celery for early market use. Of yellow color when matured. Brings top prices. Pkt. 10c; oz. \$1.00; $\frac{1}{4}$ lb. \$3.50.

White Plume. Best early variety for market gardeners or for family use; of white color. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 60c.

NEW GOLDEN CROSS
SWEET CORN



SWEET CORN

ACCLIMATED SEED

Prices postpaid (Unless otherwise noted).

Pkt. 10c; $\frac{1}{2}$ lb. 20c; lb. 35c; 10 lbs. \$3.00.

Golden Cross Hybrid Bantam. Something new in corn. Yields double that of Golden Bantam, matures two days later than Bantam; twelve rows to the ear, 50 per cent more ears edible in 80 days from time of planting. In trials, Golden Cross Bantam averages 20,000 ears per acre, also averaged two ears to the stalks as against one ear average for Improved Golden Bantam. Plants are 99 inches tall; produce more fodder for ensilage and two pickings will clean 90 per cent of the crop. You should try Golden Cross Hybrid Bantam. Pkt. 15c; $\frac{1}{2}$ lb. 35c; lb. 60c. It has a very delicious flavor.

Golden Early Market. One of the best extra early yellow varieties for home and market garden. Ears have strong husks; 8 to 12 rowed. Kernels golden-yellow, medium, tender, sweet and of good flavor. Very prolific for so early a variety. Matures in 75 days from planting which is 5 days earlier than Golden Bantam. Prices at top of page.

Golden Bantam. The best known and most favorably known of all the yellow varieties. Stalks often have 2 ears. Ears 8 rowed; kernels broad, with tender hull, sweet, and of exceptionally fine flavor. Used widely for home gardens, by truckers and for canning. Matures in 80 days. All our seed sweet corn is northern grown, acclimated seed. Prices at top of page.

Golden Evergreen. This new variety comes as a cross between Golden Bantam and Stowell's Evergreen. It carries the flavor of Bantam and has the canning qualities and length of edible period of the Stowell's Evergreen. It falls in the late classes of sweet corn, therefore fills a long-felt want on the part of the market gardener who desires a corn to carry on with after the early varieties are done. Ears 14 to 18 rowed, long and delicious. Pkt. 15c; $\frac{1}{2}$ lb. 25c; lb. 40c; 10 lbs. \$3.50.

Stowell's Evergreen. The best known late variety. Highly desirable for home and market garden and used extensively by canners. Stalks sturdy and erect; often planted for silage, ears $2\frac{1}{2}$ inches thick, uniform, 16 to 20 rowed. Kernels clear white, deep, medium width, sweet and tender. Holds well in prime condition at eating stage. Matures in 95 days, stalks 8 to 10 feet. Prices at top of page.

POP CORN

Jap Hulless. Most profitable and popular; short ears, white pointed kernels. Pkt. 10c; $\frac{1}{2}$ lb. 25c; lb. 35c. Popping Corn, lb. 25c postpaid.

South American Yellow. A giant yellow corn. Pops into mammoth creamy yellow, tender, fluffy kernels. Pkt. 15c; $\frac{1}{2}$ lb. 30c; lb. 50c.

KOHL RABI

Hardy and easy of culture. Grown from plants the same as cabbage. The Kohl Rabi is a vegetable intermediate between the cabbage and turnip and combines the flavor of both. It should be eaten before growth ceases.

Early White Vienna. Very early; bulb white; best table variety. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 75c.

Early Purple Vienna. Same as above except in color, which is purple. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 75c.

KALE

1000 Headed or Cow Kale. Frequently attains a growth of 6 to 8 feet and produces many of the smooth leaves. Largely used for feeding stock and poultry. Oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 75c.

Dwarf Curled Scotch. Long plume-like leaves with edges finely cut. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 60c.

VEGETABLE SEEDS

LETTUCE

Prices on all vegetable seeds postpaid unless otherwise marked.

Culture. Lettuce to be at its best should be grown rapidly, hence the soil should be made as rich and friable as possible by liberal manuring and thorough preparation. For general crops sow outdoors as early in the spring as the ground can be worked, in drills 18 inches apart and thin the young plants to four inches apart in the row. As the plants begin to crowd, thin them out and use as required. For the cabbage or heading varieties where large heads are desired, the plants should be thinned ten to twelve inches apart in the row. Varieties marked "A" are particularly adapted for early spring use, those marked "B" for summer culture or late fall planting.



Los Angeles or New York "B". The most largely used lettuce in the world; grown in immense quantities on the Pacific Coast and shipped to all parts of the country. Plant large, dark green, crisp heading; outer leaves notched and slightly curled on the edges. Large, tightly folded cabbage-like head is well balanced, crisp and sweet. We offer a special strain for early gardening, known as No. 12. It is a trifle lighter in color than other strains of New York but is popular with market or home gardener. Pkt. 5c; oz. 15c; ¼ lb. 35c; lb. \$1.25.

Hanson Head "B". Matures in 82 days. One of the most popular home and market garden sorts; very hardy; widely used in all parts of the West. Plant very large with broad, thick, frilled, light yellowish-green leaves, forms rather large, globular, very hard cabbage-like head which is white at the heart, crisp, sweet and tender. It is best known under the name "Nonpareil" in Canada. Pkt. 5c; oz. 15c; ¼ lb. 35c; lb. \$1.25.



Grand Rapids "A". One of the most popular loose leaved varieties. Excellent for early planting outside, and for greenhouse forcing. Plants erect and compact; leaves light green, broad, wavy, curly and heavily fringed at the edges. Handsome sort; very tender and sweet when grown under glass. Early maturing. Pkt. 5c; oz. 15c; ¼ lb. 35c; lb. \$1.25.

Prizehead "A". An early non-heading sort, very desirable for home garden use. Plants of medium size, crisp and tender; color light brown on a medium green background; leaves crumpled and highly frilled at the edges; of excellent flavor. Matures in 60 days. Pkt. 5c; oz. 20c; ¼ lb. 50c; lb. \$1.50.

Brown Dutch "B". A standard mid-season butter head variety of medium size; dark green overlaid with bronze red. Leaves broad, thick and smooth, with plain edges; head firm with buttery yellow interior of good quality. Matures in 78 days. Pkt. 5c; oz. 20c; ¼ lb. 50c; lb. \$1.50.

LEEK

The Leek belongs to the onion family. Prized for soups. Cultivate same as onions, but should be hilled up about the neck to blanch it.

Large Roen or American Flag. A large favorite American sort. Pkt. 10c; oz. 30c; ¼ lb. \$1.00.

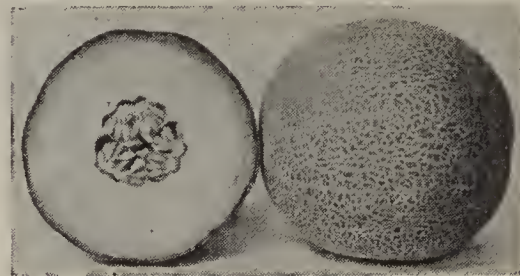
MUSTARD

The following varieties make the finest greens when used alone or if combined with cress furnishes a delicious salad. Sow any time in the spring, in rows, and thin out as necessary.

Southern Giant Curled. This is a giant curled leaf of fine quality. Pkt. 5c; oz. 15c; ¼ lb. 25c.

White English. Light green variety; tender leaves. Seed light yellow and pungent. The commercial mustard seed is this sort. Pkt. 5c; oz. 15c; ¼ lb. 35c.

Chinese Mustard. Less pungent than other varieties. A most delicious variety thriving under same conditions as spinach. Pkt. 5c; oz. 15c; ¼ lb. 35c.



MUSKMELON

Culture. Plant in hills 4 to 6 feet apart each way after danger of frost is past and ground is warm; enrich well with well-rotted manure and plant seeds just under the surface, putting ten or twelve seeds in a hill covering about an inch deep with fine soil firmly pressed down. When the plants begin to crowd and the striped beetles are pretty well gone, thin to four of the most vigorous plants in a hill. Give frequent but shallow cultivation until plants make runners too long for practical work. Rich earth is far preferable to manure, and if manure is used be sure it is well rotted and well mixed with the soil. Use NICO-DUST for melon aphids and for beetles, but with finely sifted ashes or road dust.

Burrell's "Superfecto". This variety is recognized as the highest development in cantaloupe and is especially recommended for planting where melons are inclined to rust as it is more rust resistant than most sorts. Well grown, practically all these melons pack 12 to the Jumbo flat crate. The netting is well developed and closely laced covering the entire melon. The interstices between the netting are small and bright green when full ripe. The flesh, a rich orange salmon, is very deep and the color shows through the rind where the melon touches the ground a day or two before the melon will slip enabling the careful picker to pick accurately. The quality is unexcelled. The flesh is fine grained, very sweet and spicy. We offer No. 1, first cut seed only. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.25.

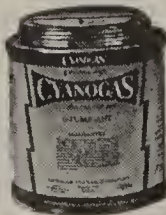
Hales Best. An outstanding early shipping cantaloupe. Planted extensively in all melon growing sections, for early shipping. Fruits oval; inconspicuous ribbing with heavy netting. Flesh extremely thick, salmon-orange, sweet and of fine quality. An excellent keeper and a good shipper. Seed cavity very small. Earlier than Superfecto, matures in 85 to 90 days. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.25.

Hearts of Gold. Still a dominating favorite. Quality extremely fine. Well netted except a narrow stripe between shallow ribs. Holds its color well. Very firm and a good shipper. Deep golden flesh is of the finest quality. Sweet, spicy and distinctly flavored. Hearts of Gold, because of its outstanding flavor will always remain a favorite. No garden is complete without it. Matures in 92 days. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.25.

Extra Early Hackensack. Matures in 80 days. The standard extremely early large fruited melon for home garden and nearby market. Fruits large, deep but flattened; commonly 6 inches long and 7 inches in diameter; distinctly ribbed; partially netted. Flesh thick; green and juicy. Pkt. 10c; oz. 20c; ¼ lb. 40c; lb. \$1.50.

Rockford. Everyone knows this melon. It is one of the old standbys. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.25.

CYANOGEN



CYANOGEN spells sure-death to Squash Bugs (stink bugs). Applied in the early morning before the dew is off the vines or after irrigating, Cyanogas will kill Squash Bugs quickly and surely. Lb. can 85c; ½ lb. can 55c; not prepaid. (Poison.)

VEGETABLE SEEDS

WATERMELONS

Striped Klondike. Friends, here's a new one. We tried it out this past summer and found it delicious. We're passing it on to you. Try it! An excellent shipper and of wonderful quality. Light green, conspicuously striped with dark. In quality it has no superior and its striking appearance advertises it well wherever offered for sale. It brings excellent prices. Size and shape same as brown seeded Klondike. Striped Klondike matures about the same time as our Brown Seeded Klondike. The flavor will strike you as "par-excellence." We feel we are offering you the last word in watermelons in this new variety. If you miss out on its good qualities, don't blame us. Pkt. 10c; oz. 25c; ¼ lb. 65c; lb. \$2.00.



Monarch Brown Seeded Klondike. (Early maturing strain.) Flesh deep red, very sweet, flavor of the best, rind thin, dark green and tough enough to allow shipping to nearby markets. Stem end square, center full, tapering slightly to the blossom end. A favorite on the Pacific Coast. One of the best flavored melons we have ever offered. Usually weighs about 25 pounds. We offer the earliest maturing strain. You can buy cheaper seed, but never better. Pkt. 10c; oz. 20c; ¼ lb. 50c; lb. \$1.50.

Kleckley Sweet or Monte Cristo. Early. A most popular home garden variety. Fruits large, oblong, very dark green; flesh bright rich red, crisp, exceedingly sweet; seeds white. Kleckley Sweet has been a favorite for a generation. We believe, however, that Kleckley Sweet does not compare in quality of flavor to either of the Klondike varieties. Pkt. 10c; oz. 15c; ¼ lb. 40c; lb. \$1.00.

Black Seeded Ice Cream. Grown extensively in Oregon and Washington. A splendid shipper, does exceptionally well in any soil which grows melons. Almost round, pink meated, black seeded, a fine keeper. Drought resisting, ripens early. Pkt. 10c; oz. 15c; ¼ lb. 40c; lb. \$1.00.

Black Seeded Chilian. This melon quickly became popular in California where it originated, and gains favor wherever grown. The medium sized spherical fruits are very dark green, faintly marked with lighter striping. The flesh is crisp, fine grained, and very sweet. It is of an attractive red color. Pkt. 10c; oz. 20c; ¼ lb. 45c; lb. \$1.25.



Crystal Wax — White Bermuda ONION PLANTS

Ready for shipment after March 1st

NOW YOU CAN HAVE BERMUDA ONIONS IN YOUR OWN GARDEN. Because of the long ripening season necessary to mature Bermuda Onions it has been impossible in the past to raise this delicious onion in Western gardens. Raising a crop from seed was impossible. Now plants are available for resetting and it is possible to grow the "finest and sweetest onion" of them all in your own garden. Plants are no longer an experiment; they all grow perfectly in every locality. Our plants will make early green onions for pulling and LARGE, SWEET MATURED ONIONS for the table or market. One thousand plants will produce 8 to 10 bushels of dried onions. Our plants are sure to grow.

Prices, postpaid (over the counter prices somewhat lower): 1 bundle of about 100 plants, 30c; 5 bundles of about 500 plants, \$1.00; 10 bundles of about 1000 plants, \$1.75.

CASABAS

Golden Beauty. Fruits are nearly globular of bright golden yellow color. Flesh is white, very thick and juicy. Pkt. 5c; oz. 20c; ¼ lb. 45c; lb. \$1.35.

Winter Pineapple. A casaba that ripens slowly and lasts practically through the winter. Stores like Hubbard squash. Pkt. 5c; oz. 20c; ¼ lb. 45c; lb. \$1.35.

Persian (Small Variety). Matures in 115 days. Requires long season to attain perfection; widely grown for market. Fruits globular, skin very dark green; netted. Flesh thick; bright orange; of distinct flavor when melons are fully ripe. Pkt. 10c; oz. 35c; ¼ lb. \$1.10.

ONIONS

Early Sweet Spanish (Riverside Strain). This strain of Sweet Spanish has been bred up to keeping quality perfection. Originally the Spanish strain of this type did not have the keeping quality, hence seed breeders set to work to include the necessary keeping propensities. Such will be found in our Sweet Spanish. This is a very sweet and early onion. Most of you know it for its extreme high characteristics. Early, mild, excellent keeper, heavy yielder. Increasingly popular with the market and home gardener. Large, yellow, globular, flesh white, very sweet and of pleasing flavor. Desirable for shipping. Our seed comes from the most reliable source and you'll find ours, True-to-type stock. Pkt. 10c; oz. 25c; ¼ lb. 75c; lb. \$2.50.

Yellow Globe Danvers. One of the most extensively used main crop yellow onions for the home garden. Here's what our grower says about our seed: "Our selection and breeding have developed a strain which has the early ripening habit and small neck of the original Danvers and yet is more globular and prolific than the parent type. The bulbs are medium to large sized, uniformly globe shaped and white fleshed, with a crispness and an excellent mild flavor. Highly recommended." Could you ask for more in an onion? Pkt. 10c; oz. 25c; ¼ lb. 75c; lb. \$2.50.

Prizetaker. The most widely grown of the yellow types. Enormously productive, widely grown for shipping. Bulbs large, globular; skin thin, glossy and of a lighter shade of yellow than Danvers; flesh coarse but mild and sweet. Pkt. 10c; oz. 25c; ¼ lb. 75c; lb. \$2.50.

Silverskin or White Portugal. The most popular white onion for either pickling or for dry, mature bulbs and for bunching onions from seed. Bulbs of medium size; flat but fairly deep; pure white; flesh fine grained, firm and hard. A splendid keeper. Pkt. 10c; oz. 25c; ¼ lb. 75c; lb. \$2.50.

Crystal White Wax. A most attractive onion. An off-spring of White Bermuda. Pure white in color, being waxy in appearance. Largely grown for the market but highly recommended to the home gardener. Pkt. 10c; oz. 25c; ¼ lb. 75c; lb. \$2.50.



ONION SETS

For the earliest green onions use onion sets, planting them about 2 inches apart in the row. Dry onions can be grown from sets, but it will be found much less expensive if grown from seed. We can furnish Yellow Strassburg sets at 30c per quart postpaid; 5 quarts, \$1.25; 10 quarts and up, 20c per quart, postpaid.

Note: We cannot supply Sweet Spanish onion sets.

VEGETABLE SEEDS

PEAS

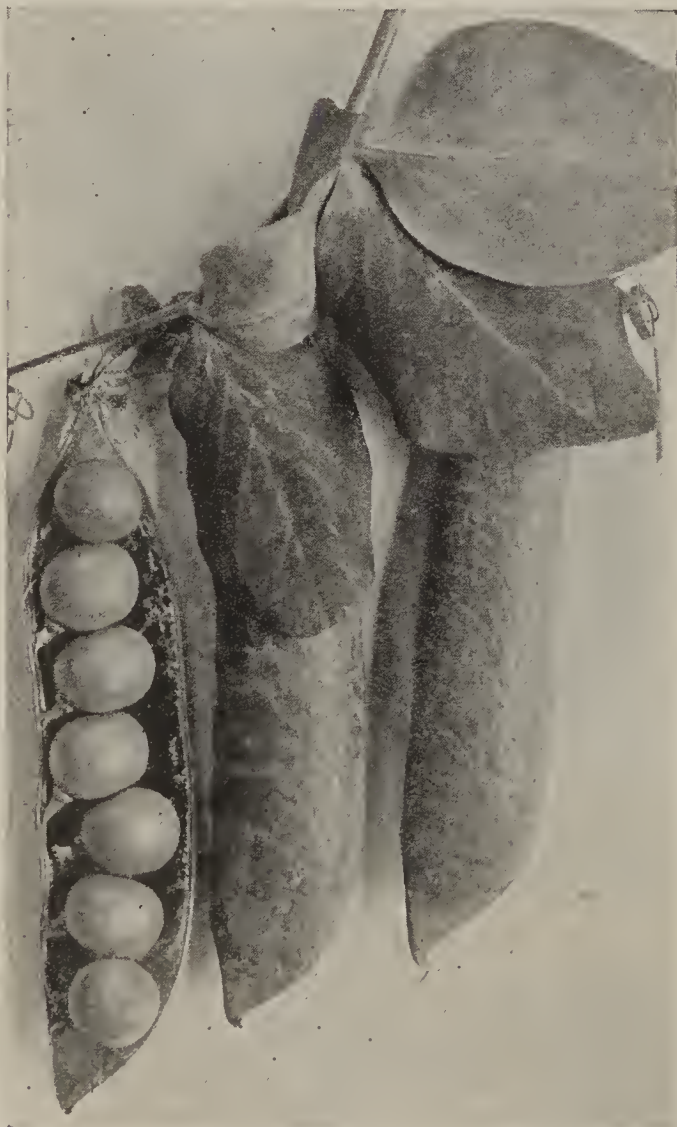
Culture. One pound will sow 100 feet. Light, moderately rich soil is best for this crop. Sowing of first early varieties should be made in October, and the other varieties in the early spring. Peas are sown in single or double rows from 2 to 6 feet apart, according to the variety or height to which they attain. Dwarf varieties are planted 2 feet apart, and those of medium sorts 3 feet to 4 feet apart. Tall varieties from 5 to 6 feet apart.

Early Varieties—Dwarf

Morse's Market (No. 122). A new large podded early mid-season pea. Vines robust, 24 to 30 inches tall; pods 5 to 5½ inches long, produced abundantly even to the tip of the branches. A fine variety to plant with early peas for succession. Eight to 11 peas are contained in every pod. After standing for some time, the pods still look fresh and attractive, a characteristic which makes them unusually good for use by market gardeners and shippers. An excellent home garden variety. **Pkt. 10c; ½ lb. 25c; lb. 40c; postpaid.**

Laxton's Progress. Matures in 60 days. Splendid variety for home, market garden and shipping. Vines dwarf; 20 inches tall; dark green; prolific. Pods handsome; dark green; very large for dwarf variety; fully 4 inches long, ¾ inch wide, plump; tapered at end. Seeds large, wrinkled; cream; interior yellow. Laxton's Progress is an improvement over Laxtonian. More prolific, larger pods with immense peas, filling the pods to bursting. If you want the maximum from your pea crop, plant Laxton's Progress. Our seed comes to us from the West's most reliable grower. Germination is high and you'll find our stock positively, True-to-Type. **Pkt. 10c; ½ lb. 20c; lb. 35c; postpaid.** Quantity price on application.

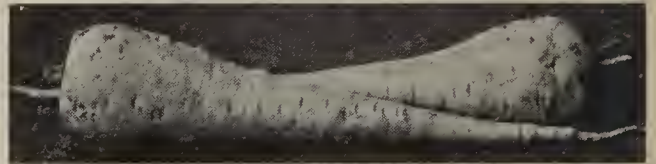
Laxtonian. Matures in 65 days. While not quite as early as Laxton's Progress this old favorite is earlier than most early sorts and by far superior to most. Dwarf, large-podded, this variety is generally considered the best of its class. The blue-green pods are often more than 4 inches long and contain 8 dark green peas of finest flavor. It is especially recommended for home garden use. Seeds are large, wrinkled; green and cream in color. **Pkt. 10c; ½ lb. 20c; lb. 30c; postpaid.** Quantity price on application.



Main and Late Crop Varieties

Stratagem (Improved). Matures in 77 to 80 days. Vines about 2½ to 3 feet tall, bears large pods of the Telephone type. This is an outstanding type of everbearing variety. Stratagem is an ideal late variety to follow the earlier ones in the home garden. Large squarish seeds are wrinkled and green. Delightful flavor and a very productive sort. **Pkt. 10c; ½ lb. 20c; lb. 30c; postpaid.**

Tall Telephone. Vines 4 to 4½ feet tall. Heavily loaded with very large, well formed pods, often 5 to 5½ inches long. Light yellowish-green and normally contain 8 to 10 very delicious, large peas. **Pkt. 10c; ½ lb. 20c; lb. 30c; postpaid.**



PARSNIPS

ONE OUNCE of seed will sow 200 feet of drill, 5 pounds will plant an acre. This crop requires a very rich soil. Sow in drills 18 inches apart and one-half inch deep and thin to 8 inches in the row.

Long Smooth or Hollow Crown. A standard table sort; the best and most productive for field culture. **Pkt. 5c; oz. 15c; ¼ lb. 30c; lb. 80c.**



PEPPERS

California Sweet Wonder. Matures in 72 days; large green fruits available practically as early as Ruby King. This is the standard of excellence in sweet peppers; much used, particularly by market gardeners and shippers. Plant thrifty, upright, heavily productive over a long season. Fruit handsome, very large, very smooth and regular; commonly 4½ inches long and 3½ to 4 inches through; deep green, becoming bright crimson; flesh extremely thick and firm, sweet throughout and of distinct flavor. **Pkt. 10c; oz. 75c.**

Large Bell or Bull Nose. Matures in 55 to 60 days. An old favorite. Sweet with mildly pungent ribs. The earliest, most prolific large fruited pepper. Plants small, upright. Fruits 3 to 3½ inches long, 3 inches thick, blocky; slightly crumpled; deep green becoming scarlet red. **Pkt. 10c; oz. 60c.**

Chinese Giant. Matures in 80 days. The largest sweet pepper. Fruits 4½ to 5 inches long and of equal diameter; roundish, blunt at the ends; somewhat crumpled; deep green, mild and sweet throughout. **Pkt. 10c; oz. 75c.**

Long Red Cayenne. Matures in 70 days. A leading sort for use in pickling and for drying. Very pungent, fruits 5 inches long ½ inch thick, tapered. **Pkt. 10c; oz. 50c.**

VEGETABLE SEEDS

PUMPKINS

Culture. Enormous pumpkins may be grown on the fertile soils of Southern Oregon and Northern California. Plant the seed in the open ground when it is well warmed and after danger from frost is past. Plant in hills about 8 feet apart; 3 to 4 pounds of seed will plant an acre and 8 ounces will plant 100 hills. Do not plant near squashes, as they are likely to mix.

Connecticut Field. The standard field pumpkin, grown for pies, canning and stock feed. Fruits very large, commonly 10 inches long, 12 inches in diameter and weigh 20 lbs., sometimes much larger; skin smooth, deep orange-yellow; shell thin, hard; flesh thick, coarse, sweet and deep yellow. **Pkt. 10c; oz. 15c; ¼ lb. 35c; lb. 90c.**

Winter Luxury or Pie. Very popular home and market garden sort; about in season with New England Pie. Fruits almost globular, commonly 7 to 8 inches long and 8 to 9 inches in diameter and weigh 8 pounds; skin light orange; not furrowed but with a netted, russety appearance; rind thin and easily cut; flesh very thick, yellow, firm and of splendid quality. **Pkt. 10c; oz. 20c; ¼ lb. 45c; lb. \$1.25.**

New England or Sweet Sugar. A handsome and productive small pumpkin; skin orange, flesh yellow, fine grained, very sweet. This is the famous New England Pie Pumpkin. **Pkt. 10c; oz. 20c; ½ lb. 35c; lb. \$1.00.**



RADISHES

Crimson Giant. Matures in 29 days. Superior home and market garden sort. Tops medium small. Roots spherical to slightly top-shaped; deep crimson; the largest of the early turnip rooted radishes; commonly attain diameter of 1½ inches before becoming pithy; of unexcelled quality. **Pkt. 5c; oz. 15c; ¼ lb. 30c; lb. 75c.**

Early Scarlet Turnip. Matures in 23 days. Very early sort, superior and equally valuable for out-of-door culture and for forcing. Tops small, ideal for bunching. Roots slightly elongated globe shape; 1¼ inches long when ideal for use; with slender well defined tap root; uniform rich bright scarlet; flesh white, crisp and of splendid quality. **Pkt. 5c; oz. 15c; ¼ lb. 30c; lb. 75c.**

Early Scarlet Turnip (White Tipped). Matures in 25 days. Handsome, popular variety of outstanding quality; much used in home and market gardens. Tops small, roots deep turnip shape, almost globular, with slender tap root; bright scarlet with well defined white area about the tip; remain crisp and of splendid quality until 1¼ inches in diameter or greater. **Pkt. 5c; oz. 15c; ¼ lb. 30c; lb. 75c.**

Long Scarlet. Matures in 26 days. Standard home and market garden sort. Tops small. Roots long, tapered; become 4-5 inches long and ¾ inch thick at shoulder; bright carmine red. **Pkt. 5c; oz. 15c; ¼ lb. 35c; lb. 80c.**

Long White Icicle. Matures in 27 days. Decidedly the best early white variety and considered by many the standard of excellence in radish. Particularly popular in home and market gardens. Tops small, roots long, tapered; very white; brittle as ice; of splendid quality until 5 to 6 inches long; mild and of splendid flavor. **Pkt. 5c; oz. 15c; ¼ lb. 30c; lb. 75c.**

Culture. Of easy culture and very profitable. Spinach may be planted in the fall or early spring. In our mild climate winter sowing is practical with good results. Sow 8 pounds per acre as a field crop or 1 ounce to 100 feet in the home garden. The richer the soil the larger and better the leaves. Use a top dressing of Sulphate of Ammonia after plants have started to grow.



Bloomsdale Savoy. Matures in 40 days. The standard very early sort for home and market garden. Plants upright and compact, attain height of 10 to 12 inches and spread 12 to 15 inches. Leaves large; blistered and crumpled; rich deep, glossy green; of splendid quality. **Pkt. 5c; oz. 10c; ¼ lb. 20c; lb. 50c, postpaid.**

Giant Thick Leaved. Matures in 43 days. Decidedly the best of the round seeded thick leaved sorts. Because of the enormous yield, long standing character, and the deep green color and smooth character of the leaves, this is highly recommended for canning as well as for home and market garden. Leaves very large, thick broad arrow-shaped with rounded tip. Easy to wash free of sediment. **Pkt. 5c; oz. 10c; ¼ lb. 20c; lb. 50c, postpaid.**

New Zealand. Distinct from other kinds of spinach and particularly valuable for culture in hot dry weather. Seeds comparatively large and nut-like. Plants very large and spreading; leaves numerous, small, triangular, thick, deep green. The tender leafy shoots are gathered repeatedly. A perennial sort. **Pkt. 5c; oz. 15c; ¼ lb. 35c; lb. \$1.00.**



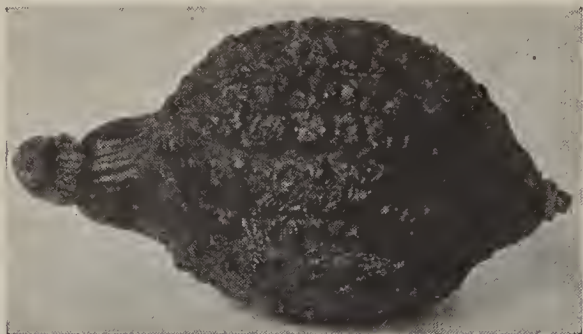
See page 32.

VEGETABLE SEEDS

RUTABAGAS

American Purple Top. One of the best and most popular varieties, with yellow flesh. Good for stock feeding. Pkt. 5c; oz. 15c; ¼ lb. 30c; lb. 80c.

Large White or Sweet Russian. A very large variety, with white skin and flesh which is tender and sweet. Pkt. 5c; oz. 15c; ¼ lb. 30c; lb. 80c.



SQUASH

Culture. Do not sow squash seed until all danger of frost is past. Put a spadeful of well rotted manure in each hill and dig it in well. Sow 8 to 10 seeds in a space one foot in diameter and later thin to the strongest three plants. Eight ounces of seed will plant 100 hills; 2 to 3 pounds per acre. In gathering winter squash it is important to keep the stems from being broken off.

Improved Warty Hubbard. Standard winter squash for home, market and shipping. Fruits medium large; commonly 9 to 10 inches through; globular, dark bronze green, moderately warted; rind very hard and strong; flesh very thick, deep orange-yellow, fine grained and dry; of splendid quality. Pkt. 5c; oz. 15c; ¼ lb. 35c; lb. \$1.25.

Banana or Sweet Potato. An excellently flavored winter squash. Fruit commonly 18 to 24 inches long and about 7 inches in diameter. The skin is gray-blue and not so hard as that of the Hubbard, while the flesh is fine grained, deep yellow, dry, sweet and of prime quality. Good keeper. Pkt. 5c; oz. 20c; ¼ lb. 50c; lb. \$1.50.

Table Queen or Des Moines. Very early; extremely prolific; one of the most popular for home and market garden and shipping. Fruits pointed acorn shape; 5½ inches long and 4 inches through; uniformly ridged; skin smooth, dark green; shell thin; flesh light yellow, bakes dry and sweet. Vines yield prolifically and fruit matures in about 100 days. Fine for baking and serving in halves. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.35.

Yellow Summer Crookneck. Well known. Fruit long, skin very much warted; bright golden yellow. Pkt. 5c; oz. 20c; ¼ lb. 45c; lb. \$1.25.

White Bush Scallop. A very early variety with flat, white scalloped squashes 4 to 6 inches in diameter. Vine bushy in habit and dwarf. Pkt. 5c; oz. 15c; ¼ lb. 35c; lb. \$1.00.

Mammoth Chili. The largest squash. Used for stock feeding. Immense size means heaviest yield per acre. Pkt. 5c; oz. 15c; ¼ lb. 35c; lb. \$1.25.



TURNIPS

ONE OUNCE will seed 100 feet; 2 pounds will sow an acre. Turnips do best in highly enriched soil of light, sandy texture. Sow in drills from 12 to 15 inches and thin early to 8 or 9 inches apart.

Purple Top Strap Leaved. Ready for the table in 45 days. Very important home and market garden sort. Tops small, erect, compact. Roots flat, become 5 inches in diameter and half as thick; purplish red above and white below; flesh clear white, fine grained, mild. Pkt. 5c; oz. 15c; ¼ lb. 30c; lb. 75c.

Purple Top White Globe. Matures to table size in 55 days. Full size in 70 days. The standard home, market garden and shipping sort for table use. Tops medium large, compact, strap leaved. Roots globular, smooth; bright purplish-red above, white below; become 5 to 6 inches in diameter; flesh white, firm; fine grained and tender when young. Pkt. 5c; oz. 15c; ¼ lb. 30c; lb. 75c.

White Egg. Ready for the table in 55 days. Tops erect, fairly compact; cut-leaved. Roots white, smooth, grown one-half above ground, egg shaped, 3 inches long; flesh white, firm grained, sweet and tender. Pkt. 5c; oz. 15c; ¼ lb. 35c; lb. 75c.

Hot-Kaps make for an earlier garden. Protect your tender plants from frost. See page 32.



TOMATOES

Culture. Sow the seed in hotbeds in early March, moving plants to cold frame when of suitable size. Harden off in cold frame until conditions are right in the field for their transplanting. Too frequent watering is harmful, especially spraying the plants. Just a moderate amount of water should be applied at the roots at regular intervals.

Break O'Day. Another of Dr. Pritchard's introductions. A cross of Marglobe and Marvana, resistant to wilt and nail-head rust. Plant light, of open, spreading habit with medium foliage; early and very prolific. Fruits medium large, orange-red, uniform, globe-shaped, smooth; walls not as thick as in Marglobe. Very early maturing, just 4 days later than Earliana. Very desirable for early market. Fruits are free from cracking around stem end and of very uniform shape. Pkt. 10c; oz. 60c; 2 ozs. \$1.10; ¼ lb. \$2.00.

Marglobe. Our stock of Marglobe is bred directly from seed originated by the U. S. Department of Agriculture. This variety has come into wide use by truckers and shippers, and in some sections by canners. Plant vigorous, with heavy foliage, resistant to wilt and nail-head rust; moderately productive. Fruits medium large, nearly globular, smooth, solid, with thick walls and cross-sections of fine quality. Pkt. 10c; oz. 45c; ¼ lb. \$1.25.

Earliana (Special Market Gardener Strain). A first early sort, widely used for home gardens and by truckers. Ours is one of the several excellent strains of this important variety which has been bred for thicker, smoother fruits. Vine is open, spreading, medium small. Fruits flattened, medium sized, form, bright, red, quite smooth. Pkt. 10c; oz. 50c; ¼ lb. \$1.35.

Chalk's Early Jewel. A second early sort for home gardeners and truckers, also good for canning. Plant medium, with open growth; prolific. Fruits medium large, smooth, scarlet, flattened globe-shaped. Pkt. 10c; oz. 35c; ¼ lb. \$1.00.

Pritchard or Scarlet Topper. A scarlet self-topping, disease-resistant variety originated by the late Dr. F. J. Pritchard, of the United States Department of Agriculture, in 1931. It is a cross between Marglobe and Cooper's Special and has inherited fine qualities from each parent; heavily productive. Fruits large, smooth, globular, solid, with thick walls and cross-sections; color light scarlet, not as intense as could be desired. Highly valuable for market garden use and for long distance shipping. Pkt. 10c; oz. 50c; ¼ lb. \$1.50.

Small Fruited Varieties

Yellow Pear. Pkt. 10c; oz. 65c; ¼ lb. \$2.00.

Yellow Plum. Pkt. 10c; oz. 65c; ¼ lb. \$2.00.

Husk Tomato or Ground Cherry. Small, round, yellow fruits about half an inch in diameter, enclosed in a thin husk. Very deliciously sweet. Excellent for preserves. Pkt. 10c; oz. 65c.

Some Astonishing Facts About the New Boysenberry



BOYSENBERRIES

No. 1 strong tip rooted Boysenberry plants prepaid to any express or postoffice in the United States. Plants 25c each; 10, \$2.00; 100, \$12.00; 1000, \$100.00; 5 at 10 rate; 50 at 100 rate; 500 at 1000 rate. We absolutely guarantee our plants to be true to name and to be so packed that they will reach you in good growing condition.

YOUNGBERRIES

Thornless Youngberry. We offer this variety for the first time this season. The fruit is identical to the original Youngberry but the canes lack those disagreeable thorns. You can enjoy the exquisite flavor of Youngberry without the discomfort of thorns. Prices postpaid. Each 25c; \$2.25 for 10; \$5.00 for 25 plants. Order early.

STRAWBERRIES

Our strawberry plants come from inspected fields, assuring you disease-free plants of vigor and quality.

Empire All Red. A wonderful new everbearing strawberry combining the qualities of Mastodon and Progressive Everbearing. Intense red color, enormous cropper. Ideal for canning.

Rockhill (No. 26). A new everbearing sort of great merit. Larger than Mastodon, flavor is superb. Extremely prolific. Bears wonderful crop first summer.

Postpaid Prices on Strawberry Plants

	25	100	250	1000
Empire All Red	\$1.75	\$5.00	\$11.00	\$35.00
Rockhill	1.50	4.50	9.00	29.00
Mastodon .....	.75	2.00	4.00	13.00



The new Boysenberry is such an improvement over all other vineberries that berry growers in California, where it originated, are destroying hundreds of acres of other vineberries and replacing them with this amazing new berry. The reason is evident:

Immense Production and Profit

Ted Moss, Mentone, Calif., has made affidavit that he set out 100 Boysenberry plants spring of 1935 and made from this planting \$311.10 by June 30, 1936. 100 plants will set out 1/10 of an acre. Therefore, this was at the rate of \$3111 per acre. 200 plants may be set out on the average city lot. Any person in a community who has the foresight to plant out an acreage of these berries and be first in their community to do so, should make an immense profit.

Immense Size

There is no trick photography in the picture on this page. This picture was taken with the rule beside the berry and was enlarged proportionally. Therefore, it is actual size. Some Boysenberries have actually been found nearly 2½ inches long.

Delicious Flavor

The Boysenberry has a distinctive flavor, altogether different from any known berry. Fifty-two ladies questioned on one day, after tasting it, said that its flavor was somewhat suggestive of the raspberry.

Very Sweet

If the Boysenberry is permitted to remain on the vine until it is fully ripe it is much sweeter than any other vine berry. When eating fresh, no sugar is necessary because it has a very high sugar content.

RHUBARB PLANTS

Riverside Giant. Our plants are from two-year-old stock being divisions and not seedling plants. They will produce earlier for you. Riverside Giant Rhubarb has stood the test of time, crisp, tender, free from stringiness, distinctive flavor. The skin is so thin it disappears in cooking. Has every good characteristic a commercial rhubarb should possess. Yields of over 35 tons per acre are common. Medium divisions, each 25c postpaid. Large divisions, each 35c postpaid.



SEED POTATOES

Early Bliss Triumph. Tubers of handsome appearance, being almost round, with slightly depressed eyes, mostly at the seed end. Run very uniform as to size and shape. Heavy yielder and good flavor. Write for prices.

Quick Lunch. One of the earliest potatoes. Pinkish tinge when first dug. Excellent flavor and good yielder. Of better keeping quality than the average early potatoes. Write for prices.

Katahdin. A very drought-resistant variety of excellent quality and a good yielder. Earliest of the newer varieties. Write for prices.

Warba. The "earliest bird" among the potato varieties. Write for prices.

**Sow
MONARCH
TESTED
LAWN SEED
for
Finer Lawns**



JACKSON COUNTY'S NEW COURTHOUSE

Monarch Grass Seed and Vigoro made possible the beautiful lawn surrounding this attractive structure.

Monarch Improved Armory Lawn Grass Mixture

THIS PERFECTLY BLENDED LAWN GRASS MIXTURE WILL GIVE YOU A LAWN YOU CAN MOW IN SIX WEEKS FROM PLANTING. ARMORY LAWN Grass Mixture is a combination of grasses and clover mixed in such proportions as to give you a quick, sturdy and beautiful lawn. The faster growing grasses contained in Armory Mixture serve as nurse crops for the slower growing varieties which are eventually the dominating grasses of the mixture. We placed Armory Mixture on the market many years ago and from time to time have improved the blend by reducing some of the proportions and increasing the quantities of better grasses contained in the mixture until now in our IMPROVED ARMORY MIXTURE we have a grass that pleases wherever it is planted. If you wish to seed a shaded area just tell us so and we will incorporate the right amount of a shade-loving grass in Armory Mixture. If your order does not specify seed for shade we will send straight Armory Mixture. Rate of seeding is 1 lb. to 200 sq. ft. **Price, lb. 60c (by mail 70c).**

STRAIGHT LAWN SEEDS

Highland Bent Grass. For the finer lawns use Highland Bent. Particularly adapted to interior regions. **Per lb. \$1.25, postpaid.**

Kentucky Blue Grass. We offer this grass seed in three grades, all of extra fancy quality, recleaned, free of weeds and high in germination. **Extra Fancy Seed, per lb. 65c; Fancy Seed, per lb. 55c, postpaid.**

White Dutch Clover. Extra fancy seed, free of weed, of high germination. **Per lb. 60c, postpaid.**

Making a Lawn. We have a very complete bulletin on the proper method of planting a lawn. If you'll just drop us a line requesting this instructive bulletin we will mail it to you free of charge.

FIELD GRASS SEEDS

Write for Quantity Prices

Crested Wheat Grass. Here's a grass that no amount of drought can kill out. If you have real dry land in which you have been unsuccessful in getting a profitable stand of grass or hay, plant Crested Wheat Grass. A little preparation of the soil and the sowing of 15 pounds per acre of this dryland grass will solve the problem presented to you each year by that dry land. Crested Wheat Grass makes a palatable hay, produces well and will not kill out. In spite of the severe droughts in the middle west, Crested Wheat Grass has held its own, producing feed where all other grasses failed. The crop of seed is extremely short this year and our supply quite limited, so order early. This grass is the first to start in the spring and the first to spring to life when fall rains come. It stands the severest cold weather and best of all, the hottest and driest summer weather. **Lb. \$1.00; 10 lbs. \$9.00, postpaid.**

Red Top (Herds Grass). Sow 12 to 15 pounds per acre. This is one of the most valuable and satisfactory grasses in all localities. Thrives on low ground, where water stands late in the season. Red Top should be included in all mixtures intended for permanent pastures or hay. It makes excellent pasturage and is ideal for hay. When well established it spreads and will supplant other grasses. Fine for hillsides, will prevent erosion. Matures at the same time as Meadow Fescue, Orchard Grass, Tall Oats Grass and Timothy. **Lb. 35c; 10 lbs. \$3.25, postpaid.**

Tall Meadow Oat Grass (Evergreen Grass). This grass seems to make more leafage and grazing, a larger yield of hay and to keep green longer, both during the winter and summer, than most grasses. It is especially adapted to heavy soils. It withstands heat and drought and the cold of winter; starts very early in the spring and continues late in the fall. For hay it

can be cut twice in a season, frequently producing doubly as much hay as timothy. Ripens at the same time as Orchard Grass and Red or Alsike Clover. Thrives on uplands but gives excellent results on nearly all soils and better than most grasses on light and sandy soils. When sown alone, sow 25 to 30 pounds to the acre either in spring or fall. **Lb. 50c; 10 lbs. \$4.50, postpaid.**

Kentucky Blue Grass. Sow 35 to 40 pounds per acre. There for permanent pasture, nor one that will yield a sweeter and is probably no other grass that equals Kentucky Blue Grass more nutritious pasture. Except on very light soils it should be included in every pasture mixture. Very hardy, spreads freely, produces abundantly, withstands drought and cannot be tramped out. **Lb. 40c; 10 lbs. \$3.50, postpaid.**

Winter Blue Grass (Poa Bulbosa). "The Grass That Grows When Other Grasses Sleep." Poa Bulbosa reverses the normal order of growth and produces winter grass while other crops are dormant. It is a perennial and distantly related to Kentucky Blue Grass. Cattle eat Poa Bulbosa readily and greatly relish this grass either in the green stage or as dry pasture. Poa Bulbosa can be winter pastured and toward spring the cattle removed to permit the grass to grow to full development when it can be either dry pastured or cut for hay. It supplies winter grazing when all other grasses are dormant. Will not become a pest. Requires no further seeding when once established. Plant in the fall or early winter, seeding at the rate of 25 pounds per acre. Poa Bulbosa can be combined with alfalfa resulting in two crops from the same piece of ground; hay crops in the summer and pasture during the winter. **Postpaid, small lot price, 50c lb. Write for quantity prices.**

GRASS SEEDS

Quality Distinguishes Our Grass Seeds

Oregon Rye Grass. A rapid grower, very winter hardy, leaves and stems medium fine, stools heavily, has a bright green color. Excellent for pasture or for hay. Plant with Ladino Clover to prevent bloating. Sow 20 pounds per acre. Lb. 20c; 10 lbs. \$1.50, postpaid.

Brome Grass. Will stand drought and produce heavy crops in dry sections and on poor soils where other grasses perish. It is one of the hardiest growers and succeeds on our dry hillsides. Sow 35 pounds per acre. Lb. 35c; 10 lbs. \$3.25, postpaid.

Timothy, the Most Extensively Grown Hay Grass. Sow 12 to 15 pounds per acre. For hay, timothy is the best known and most extensively grown of all grasses. A stand is easily established, it is inexpensive to sow, it starts quickly and yields its best crop the year after it is sown, but the following year's crop may be equally as heavy if liberally top-dressed with manure. The yield on good land frequently runs from 1½ to 3 tons per acre. Meadow Fescue or Kentucky Blue Grass, Red Top or Herds Grass and Ladino Clover all mature at the same time as Timothy, and are good grasses to sow with it for hay and pasture. A good mixture is 6 pounds Timothy, 5 pounds Red Top, 7 pounds Meadow Fescue and 4 pounds Ladino Clover. Sow this mixture at the rate of 20 pounds per acre. Per lb. 25c; 10 lbs. \$2.25, postpaid. Write for quantity prices.

Orchard Grass. The greatest pasture and hay grass. A very vigorous grower and yields large crops of excellent and nutritious hay, as well as having special value as a pasture grass, furnishing good grazing from early spring till winter. It adapts itself to a variety of soils, provided they are well drained, but succeeds best on loamy uplands or moderately stiff soils, although it does quite well on soils that are inclined to be sandy. A mixture of 15 pounds of Orchard Grass, 12 pounds of Tall Meadow Oat Grass and 8 pounds of Red or

Alsike Clover has proved very satisfactory, is recommended for hay and pasture. When sown alone, plant 30 to 35 pounds per acre. In a mixture as above, sow 20 pounds per acre. Lb. 35c; 10 lbs. \$3.00, postpaid. Write for quantity prices.

Sudan Grass. A wonderful quick-growing Summer Hay Grass. An annual with short fibrous roots that are killed by frost. Because of this characteristic, Sudan Grass will never become a pest as will Johnson Grass. Its greatest value is for hay, which is well liked by stock—the entire plant, leaves, stems and heads, is eaten. Sow 5 to 6 pounds to the acre in 2-foot rows; 20 to 25 pounds broadcast. By mail postpaid, lb. 20c; 5 lbs. 85c. Write for quantity prices.

SOY BEANS

SOY BEANS—A PROFITABLE CROP FOR
HAY OR FOR PASTURE

Lb. 25c; 10 lbs. \$2.00.

Virginia, on account of its abundant growth and large yield of beans, makes the best Soy Bean for hay. One of the earliest. Vines make a fine growth, filled with pods, stand about 3 feet high, are easy to cut and cure. Stems fine, leafage profuse. Write for quantity prices.

Wilson Early Black. Very prolific variety and one of the best where quick, early variety is desired. Average height on good soil is about 3 feet. Matures in about 115 days. Prices same as Virginia and postpaid. Write for quantity prices.

Tarheel Black. This is also a very fine variety for hay. Fine foliage, early maturity and heavy yielding. Matures in about 120 days. Prices same as Virginia and postpaid. Write for quantity prices.



ALFALFA SEED

Ladak Alfalfa. This comparatively new variety gives promise of becoming popular and rightly so for it has developed that Ladak is ideally adapted to dry soils which cannot successfully grow the more common varieties. Ladak Alfalfa will produce one heavy crop on dry soils, after which, in case the moisture is not sufficient to continue its growth, it will survive through the season to come again after winter rains have revived it. Other varieties of alfalfa will almost completely die out but not so with Ladak. It may appear completely dead, but will come again when fall rains bring moisture. Ladak is likewise strongly resistant to freezing. In many tests Ladak has proved superior to all others for the cold and dry conditions found in the northern Great Plains areas and it has also given good results under irrigation in the Northwest. If you desire further information on Ladak alfalfa write us for descriptive bulletin. Lb. \$1.00, postpaid. Write for quantity prices.

Grimm Alfalfa. The hardiest of all alfalfas and will stand the severest winters of our mountain sections. It has a branching root growth that gives the plant a firm hold on the soil and

prevents heaving by frequent freezing and thaws, and also adapts it to shallower soils. If your soil has a hardpan near the surface, or if your farm is in the mountain section, it will pay you to give Grimm the preference. Being short rooted, Grimm will thrive on soils where the water table is close to the surface. Grimm is very leafy and fine stemmed and is preferred by most hay buyers. Sow Grimm 8 pounds per acre after frost danger is over. Fertilize with Soil Sulphur or Superphosphate for bumper crops the first season. We handle only State Sealed and Certified Grimm seed. Lb. 50c; 10 lbs. \$4.50, postpaid. Write for quantity prices.

Common or Chilean Alfalfa. This is the popular long-rooted variety so universally grown. Best adapted to deep soils. We handle only the hardiest types of Chilean, selecting our seed from growing districts which produce seed of true type. Our mountain grown seed will produce stands of longer duration and prove more profitable to plant. Lb. 40c; 10 lbs. \$3.50, postpaid. Write for quantity prices.

SEED GRAINS

OATS

Kanota Red Oats. Asked why he thought Kanota oats were better, one of our California customers answered: "They mature 10 to 14 days earlier than other Red Oats planted under similar conditions, produce taller, finer straw, finer leaves and heavier heads, show a higher test weight per bushel. The kernel is heavier in proportion to the size of the grain than other oats and Kanotas resist lodging to a remarkable degree." A recent test at Davis, California, on the University Farms, Kanota Oats yielded 85.2 bushels per acre against 52.6 for California Red Oats. Write for prices.

IMPORTANT—Please Read. Clover, grass and field seeds are subject to market changes, therefore we cannot print prices good for any length of time. When you are ready to buy, drop us a line stating what you are interested in and how much you will want, and we will quote, submitting samples at the same time. We quote only on fancy stock seed. Our prices will be right.

White Seed Oats. Our stock are all double re-cleaned. Light oats and chaff completely taken out. We can supply you with SHADELAND, Eclipse; SHADELAND, Climax; COMMON WHITE. Write for prices.

Winter Gray Oats. Recommended for fall sowing. Winter Gray Oats will withstand hard winters better than either white or Kanota Reds. Heavy producers, sweet and nutritious. Can be planted in the spring in the Coastal sections but not recommended for spring planting inland. Write for prices.

SEED RYE

Beardless Spring Rye. A splendid sort, very hardy, yielding a heavy crop and much relished by stock. Beards drop off when handled. Write for prices.

BARLEY

Success Beardless Barley. This variety brought out and successfully featured by Washington State College, has proved more than was anticipated in the Rogue River Valley. A heavy yielder that will not lodge and almost devoid of beards. Write for prices.

Common Beardless Barley. While a small percentage of beards will be found in this sort, we believe our stock is as free of beards as is possible to secure. Write for prices.

Bearded Barley. Grown usually for the grain. Hardy and a heavy yielder. Our stock of this type is always of highest grade. Write for prices.

WHEAT

Federation. A variety of beardless wheat that is gradually taking the place of Club and Bluestem. Especially recommended for rich ground as it does not lodge badly. Can be sown in fall or spring, excellent for hay. Write for prices.

Bluestem. Preferred by many for hay purposes. Bluestem has a soft straw, therefore makes a better hay, not so stiff. Lodges badly on heavy ground. Does best on higher, poorer soils. Very leafy and beardless. Write for prices.

Big Blue Club. One of the club wheats, Big Blue Club out-yields them all. It is adaptable for hay, being very leafy. The stem is strong enough to prevent lodging easily. Our seed came from a field that yielded 55 bushels to the acre. Write for prices.

FIELD CORN

Bigger and Better Yields from Our Acclimated Seed
Rogue Valley Yellow Dent. This strain of yellow corn was originally Minnesota No. 13, but by continued crossing it has been improved to the extent that the ears are larger, kernels heavier and the crop earlier maturing. Matures in about 120 days. The earliest of the more prolific corns and probably holds the record for the largest yield. Rogue Valley Yellow Dent makes a beautiful ear and whether on the cob or shelled no yellow corn is more attractive. Grains are deep, medium wider and firmly set on a small cob. The shuck is close and completely protects the tip against adverse weather. Our Rogue Valley Dent is probably the most extensively planted in Southern Oregon and Northern California. Plant when frost danger is over and the ground is warm at the rate of 8 pounds per acre. **Prices, postpaid: Pkt. 10c; lb. 20c; 10 lbs. \$1.25.** Quantity price upon application.

VETCHES AND PEAS

Common Vetch. This is the blue blossom vetch in greater demand for hay crops. Produces well of nutritious hay and outyields most vetch varieties. Write for prices.

Austrian Winter Peas. Here is the ideal forage legume for hay, ensilage or for pasture. Austrian Winter Peas will out-yield vetches 2 to 1. The vines, like all legumes are relished by all kinds of stock. Plant in the fall for best results. Will not winter-kill. **Postpaid prices: Lb. 20c; 10 lbs. \$1.75.** Write for quantity prices.



CLOVERS

Red Clover. The standard clover for all purposes. Makes an excellent hay when mixed with timothy. Succeeds well on most any soil. Inoculate seed before planting and you'll be sure to get a stand. **Lb. 40c; 10 lbs. \$3.50, postpaid.** Write for quantity prices.

Alsike Clover. This is a perennial adapted for hay or pasture. A valuable crop for bee pasture. Does well either on poor dry soils or in wet rich soil. Being finer, brighter and not so dusty. Alsike hay is preferred to Red Clover. Inoculate all clovers and be sure of getting a stand. **Lb. 40c; 10 lbs. \$3.50, postpaid.** Write for quantity prices.

White Blossom Sweet Clover. Sweet clover is one of the most important soil improving crops. Withstands adverse conditions of soil and weather better than alfalfa and red clover. Does not winterkill. Produces more on this land than alfalfa and red clover and is equal to alfalfa and red clover in nutritive value. Sow it for hay, pasturage and soil improvement. Sow it for pasturing hogs and cattle—they all like it. Sow it on lands too poor, too worn out, too sandy for other crops and bring the land into condition to produce profitable crops. You can sow it on your fall-sown grain without preparation, except harrowing. Make the seedbed fine and compact and cover the seed lightly. Inoculate with Nitragin. See page Plant 20 pounds to the acre from February to March. We offer only scarified, hulled, fancy seed, free of dodder, of high purity and germination. Scarifying raises the germination percentage, which is very low on untreated seed. **Prices postpaid: Lb. 25c; 10 lbs. \$2.25.** Write for quantity prices.

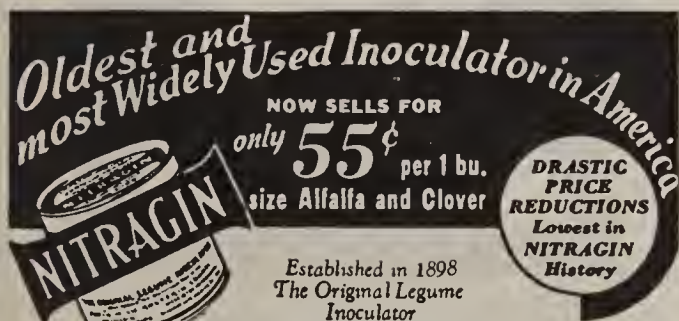


LADINO CLOVER

The Greatest Pasture Clover Grown

Ladino Clover will pasture more cattle and hogs than any other clover. Ladino is a perennial white clover that grows from 12 to 18 inches tall, producing a most palatable forage for cattle, sheep and hogs. Ladino increases milk flow, improves soil, will thrive on shallow moist soils and is the first clover to awaken in the spring and the last plant to quit in the fall. Ladino clover should be sown in the spring for best results. Prepare the soil early and have it in readiness for sowing. The application of superphosphate or sulphur to the soil will quicken the young growth and promote a heavier and sturdier stand. Sow 6 pounds of seed per acre, harrowing in lightly. It is not necessary to grow a nurse crop with Ladino, although many growers plant Rye Grass, Orchard Grass or Fescue with the Ladino, claiming that it will prevent bloating. We believe this a good practice.

Prices: Blue Tag Certified seed, \$1.25 per lb.; Red Tag Certified seed, \$1.00 per lb.; Pasture Grade seed (contains some alsike and white Dutch clover, which is not objectionable for pasture purposes), 75c per lb. **Prices postpaid.** Write for quantity prices.



NITRAGIN INOCULATION PRICES

When Ordering, ALWAYS State Name of Seed

Culture Group "A"—ALFALFA and SWEET CLOVERS (including Hubam) and Bur Clover.
Culture Group "B"—CLOVERS, MEDIUM RED, Mammoth Red, Alsike, Crimson and White Clover.
½ bu. size 35c ea.; 1 bu. size 55c ea.; 2½ bu. size \$1.20 ea.

Culture Group "L"—All varieties of Lespedeza—Unhulled or Hulled. Unhulled requires only 1 bu. size. Hulled requires 2 bu. size.
1 bu. size 35c ea.; 2 bu. size 55c ea.; 5 bu. size \$1.20 ea.

Culture Group "S"—Soy Beans. All varieties.
Culture Group "E"—PEANUTS, COW PEAS, LIMA BEANS, VELVET BEANS, Kudzu, Crotalaria and Beggar Weed.
1 bu. size 35c ea.; 2 bu. size 55c ea.; 5 bu. size \$1.20 ea.; 10 bu. size \$1.75 ea.; 25 bu. size \$3.75 ea.

Culture Group "C"—VETCHES (Hairy, Spring, Wild) AUSTRIAN PEAS, Canadian Field and Garden Peas, Broad Beans, Sweet Peas and Lentils.

Culture Group "D"—Field and Garden BEANS (Navy, Kidney and Scarlet Runner Beans).
½ bu. size 30c ea.; 1 bu. size 45c ea.; 1½ bu. size (100 lb. size) 65c; 5 bu. size \$1.85 ea.; 12½ bu. size \$4.25 ea.

Remember...
Legumes **NOT** Inoculated are "**SOIL ROBBERS**"
Legumes **WELL** Inoculated are "**SOIL BUILDERS**"



THE ACME MOLE TRAP

Most Efficient Mole Trap on the Market

Moles, the bane of every gardener, fall prey to this trap. We have tried out all types of traps with little success, but after giving the ACME Trap a real try-out this past season we are convinced that we have finally found the trap every gardener is looking for. Ten moles in one run in two days. That's what we did with the ACME. Read what others have to say about the ACME.

The ACME is safe, sure, small, easily set and rust-proof. Rid your garden and lawn of moles with an ACME. **Price, postpaid, \$2.00.**



ALL PLANT LIFE MUST BE FED

Plants, like human beings, must receive the right nourishment. **VIGORO** is especially prepared to supply lawns, gardens, flowers, shrubs and trees with all of the plant-food elements needed for rapid, sturdy, and luxuriant growth.

VIGORO is sanitary and odorless, and does not contain any refuse, weed seeds, etc.

Give your lawn, flowers and garden an opportunity to do their very best for you, by feeding them with **VIGORO**—"The Square Meal" for all plants!

VIGORO is available in these convenient sizes—100-lb. bag \$4.00; 50-lb. bag \$2.50; 25-lb. bag \$1.50; 10-lb. bag 85c; 5-lb. bag 45c; 1-lb. bag 10c.

VIGORO

Specially prepared plant food

The **SQUARE MEAL** that
assures rich beauty in lawns and flowers

Sheps' PLANT SPRAY

NON-POISONOUS-IMPROVED



KILLS and CONTROLS Ants, Aphids (Plant Lice), Thrips, Mealy Bugs, Green and White Flies, Aster Beetles, Bean Beetles, Red Spiders, Small Worms, Potato Bugs, most other vegetable and garden flower insect pests.

Spray foliage thoroughly. Mix with water. No soap needed. Postpaid—

Each Unit Makes:

1 1/2 Oz.	(8 Gals.)	.....	\$ .25
1/2 Pt.	(32 Gals.)	.....	.75
1 Pt.	(64 Gals.)	.....	1.35
1 Qt.	(128 Gals.)	.....	2.25



NAPHTHALENE

Drives away grubs, wire worms, slugs, centipedes, aphids, etc. Used in treating the soil for insect pests.

1-lb. Tin.....25c 5-lb. Tin.....75c
10-lb. Tin.....\$1.25 Write for prices of larger quantities.

ANTROL

Kills ants in the nests. Is a safe, sure, permanent and scientific method. It is easy to use, economical. Safe around children and pets. Controls both sweet and grease eating ants. Prices: Antrol ready filled sets containing 4 filled feeders, 40c; Antrol regular sets, 4 containers and a 4-ounce bottle syrup, enough for 2 fillings, 65c; Antrol syrup for refilling, 4 ounce bottle, 20c.



SNAROL

—is a ready-prepared meal that you simply broadcast on the ground under vegetation. It will not deteriorate from rain or sprinkling and it lasts a long time and is economical. It is prepared for cut worms, sowbugs, grasshoppers, slugs, snails, earwigs. Prices not postpaid; 1 1/2-lb. package, 25c; 4-lb. package, 60c.



GRAFTING WAX

We manufacture our own wax, using the best formula obtainable. This is a high grade preparation. Easy to handle. For pruning or grafting or for covering fresh cuts. 1/4 lb. 15c; 1/2 lb. 25c; 1 lb. 35c; 10 lbs. \$3.00. F. O. B. Medford.

Germaco Hotkaps

Growers who prepare land and plant seed early in the spring run the dangerous risk of late frosts. Frequently it is too late, then, to plant another crop. Time and effort are wasted; money is lost. "HOTKAPS" insure against this condition. They not only protect against frost, but shield young plants from wind and insects and eliminate the possibility of the plant being damaged in a heavy rain. "HOTKAPS" are waterproof. They guard against too much moisture, which frequently causes a delayed and weakened growth.

"HOTKAPS" have a flanged edge that is covered with dirt to hold them down. They are waterproof. Rain will not destroy them, nor will it injure or lessen their effectiveness in any way. "HOTKAPS" are packed one thousand to the package, which weighs 28 pounds. Only the slightest pressure is required to set the cap. The "HOTKAP SETTER", selling for \$2.50, will prove very helpful where a great number of plants are set. This is a small steel cone, the exact shape of the "HOTKAP" itself, with a handle at the top.

One roll \$9.75; 5 rolls \$9.65 roll; 10 rolls \$9.55 roll. 100 Home Package including setter and tamper, \$2.40. Special 250 package containing 250 Hotkaps, garden setter and tamper, \$3.65. Weights: 1000 package 28 lbs.; 250 package, 9 lbs.; 100 package, 5 lbs.



"DEAD SURE" GAS BALL RODENT DESTROYERS

This is a gas ball which, when lighted and placed in the proper position down in the runway, pours forth a deadly, poisonous gas that carries death to any living thing in the burrow. Although it means absolute destruction to the rodents it is perfectly safe for the user to handle without injury. It is nonexplosive, does not deteriorate with age and is cheaper than similar materials on the market. Sure death to moles and diggers. Full directions with your orders. Per dozen, postpaid, 50c.

BLUESTONE

Use in the making of Bordeaux Spray or for treating grain for smut before planting. Also used to kill the host of Liver Fluke infesting sheep and cattle. Lb. 15c; 2 lbs. 25c. Write for quantity price.

COPPER CARBONATE

The easiest and most effective manner in which to treat grains to prevent smut. Used at the rate of 2 ounces to the bushel of grain where no infection is noticeable, and at the rate of 4 ounces where smut is bad; control will be complete. Per lb. 30c.

EEZY WEAR GARDEN GLOVES

All leather, dirt-proof, washable gloves, substantially made from select hides and especially processed to add to their wearing qualities. Amazingly soft and pliable. Easy to slip on and off.

No. 6, Women's small. No. 9, Men's med.
No. 7, Women's med. No. 10, Men's large.
No. 8, Women's large.

Per pair, any size, 75c, postpaid.



DOG FOODS AND REMEDIES

PULVEX 6-USE DOG SOAP

Tones, Oils, Grooms, Kills Fleas, Cleans, Deodorizes,
ALL in One Operation



This is the soap that makes bathing a dog a real health-aid. Every time you wash your dog with Pulvex 6-Use you are giving him a beneficial shampoo. Think of all this soap does! Allays itching of oil-dry skins. Stimulates hair growth and hide health. Kills fleas. Deodorizes "doggie" odors. Its rich, oily lather cleans splendidly. Leaves the coat with a beautiful dog-show sheen. Larger size cake. Outlasts two ordinary cakes. More economical. Makes washing a dog really worth your while! Price of the Pulvex 6-Use Dog Soap (super-size cake) 55c, postpaid.

PULVEX WORM CAPSULES

Combination Treatment
Expel Round, Hook and Tape Worms Satisfactorily
and Effectively

With this Pulvex Combination Treatment, you can rid your dog of Tape Worms, Round Worms (Ascarids) and Hook Worms, or any combination of the three. When this combination treatment is employed, the dog owner never need guess as to which of the three types infest; thereby running the risk of worming his dog improperly. The Pulvex Combination Treatment is not only sure but simple. Each package contains enough capsules to worm one 10-pound dog or puppy eight times. For dogs, larger or smaller, the number of doses in a package will naturally vary. Price, 80c, postpaid.



PULVEX FLEA POWDER

Actually Kills Fleas Instead of Stupefying Them



The greatest kindness you could give your flea-tormented pet would be to dust him with Pulvex Flea Powder twice a month. It will not only kill the fleas allowing none to revive and reinfest, but it will protect against fresh attacks. Fleas not only torment a dog but can be the cause of him becoming infested with a tape worm. Pulvex Flea Powder is ideal for cats, too. Non-irritating; odorless; as unobjectionable to use as talcum. The world's biggest selling flea powder; the choice of the discriminating. In shaker top cans, 2 oz. 55c; 12 oz. \$1.35, postpaid.

DOG MEDICINES

Tonic & Condition Tablets. A general tonic for all dogs; to build up the system. 65c, postpaid.

Constipation Tablets. Will relieve constipation in dogs and puppies. 65c, postpaid.

Mange Liquid. For treating certain forms of mange and eczema. 75c per bottle, postpaid.

Sulfur Tablets. For cooling the blood; skin disorders, scratching and itching. 65c, postpaid.

Special Tablets (for dogs). For distemper in dogs; fever reducer, diuretic and stimulant. \$1.00 per pkg., postpaid.

Special Tablets (for puppies and toy dogs). For distemper in puppies. \$1.05 per pkg., postpaid.

BOOKS AND LITERATURE

Spratt's Dog Book (Free). Forty-eight pages of "doggy" information. Complete, accurate and up-to-date. Write for your copy—it's FREE.

Canaries, Their Varieties and Management. A complete treatise on canaries, their breeds, care, breeding, etc. Price 10c.

Free Literature on Dogs, Puppies, Cats, Canaries, Lovebirds, Fish, etc., is always available free.

SPRATT'S DOG BISCUIT FOODS



Note: Dog Biscuit prices f. o. b. Medford.

Write for quantity prices.

Fibo. Granulated food (about the size of peas). For dogs of all ages, breeds or condition of health. Contains pure yolk of egg in addition to meat. Very nourishing and appetizing. Per lb. 20c; 2 lbs. 35c.

Ovals. Small oval biscuits. Wonderful for all breeds, especially small dogs. Contain plenty of meat; crunchy and satisfying. Convenient to carry in your pocket when on a walk with your dog. Per lb. 20c; 2 lbs. 35c.

Charcoal Ovals. Same as Ovals with pure charcoal added—black in color. Absorb intestinal gases and impurities, wonderful safeguard against intestinal and stomach ailments. Every dog should have two full meals of these each week; meat-fed dogs even oftener. Per lb. 20c; 2 lbs. 35c.

Dog Cakes. Large, square cakes; the staple diet for the large and medium breeds. Should be fed dry. Per lb. 20c; 2 lbs. 35c.

Cat Food. A granulated food for all cats. Contains meat, fish and milk—a well-balanced and complete food. Can be fed dry or mixed with meat, sardine oil, etc. 35c pkg.



A Meal in a Cupful

Hold a little cube of Friskies Dog Food in your hand. Let your dog look it over. See what happens. No matter how particular he may be; no matter how hard it has formerly been to get a food he really enjoys, you will find he loves Friskies. In that tiny cube, your dog has obtained a surprisingly large amount of food value. Remember, 90% of the water has been taken out of this food. If that were put back, you would realize how much food you have given in a single cube. That is why Friskies goes from three to five times as far as other dog foods. Send for a trial feeding. 2 lbs. 25c; 4½ lbs. 50c; 25 lbs. \$2.50, f.o.b. Medford.

Poultry Is Profitable

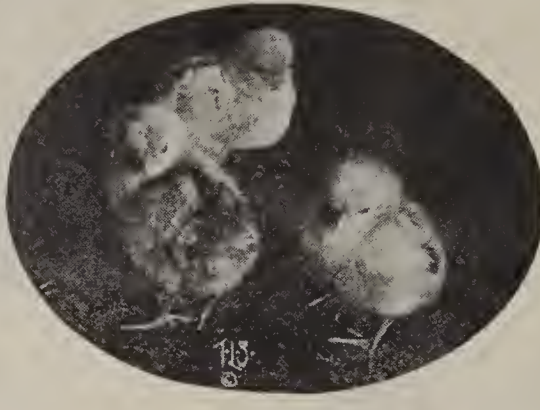
Start Right With MONARCH Chicks

We handle — popular breeds and varieties, all from blood tested stock carefully supervised to produce husky healthy chicks.



WHITE LEGHORNS

Most popular breed on the Pacific Coast. Selected, ranged stock. Good producers mated with males from trap-nested hens with records 250 eggs or more in their pullet year. They come from the West's most popular strain of egg producers and are truly "bred to lay" birds.



RHODE ISLAND REDS

If you want both eggs and meat select our Rhode Island Reds. There is not much difference in the popularity of this breed and the Barred Plymouth Rocks. Fine, outstanding males head our flocks and the hens are selected for egg production as well as for type, size and vitality.



BARRED PLYMOUTH ROCKS

We have some excellent stock in this popular breed. One of the most popular for broilers and fryers. Also a splendid dual purpose fowl. Hens come from egg production strains. Males chosen for vigor, for type and barring and come from large egg strain.

We can also supply the following breeds:

BUFF ORPINGTONS
WHITE PLYMOUTH ROCKS
BLACK MINORCAS
WHITE MINORCAS
ANCONAS
BROWN LEGHORNS

**We Guarantee Safe Delivery
of the Full Number of Live
Chicks Paid For.**

All baby chicks hatched in modern, sanitary incubators, shipped in new clean chick boxes, and every precaution taken by experts to get chicks to you in perfect condition.

Lee-Way Poultry Preparations

LEE'S POULTRY NASAL SYRINGE

For administering Germozone in the treatment of Ocular Roup, Swelled Head, Colds. Forces out the mucus matter and applies the Germozone directly to the affected membrane lining. Used by leading poultrymen everywhere. 75c.

LEE'S LICE KILLER

Destroys Mites and Lice at one-half the usual cost. Simply paint roosts and dropping boards. Fumes kill the body lice. To destroy mites, spray liberally throughout the poultry house once a year with this disinfectant diluted one-half. It has no equal. Qt. can 60c; one-half gal. 90c; gallon \$1.50. Prices f.o.b. Medford.

LEE'S HOG OIL WORMER

Chenopodium is the only recognized drug for expelling Large Round Worms from hogs and pigs. Lee's Hog Oil Wormer contains an effective dose of Chenopodium, put up in a bland oil. Not caustic; better for the animals; much safer. Quart bottle \$2.00, f.o.b. Medford.



LEE'S VAPO SPRAY

For more than a third of a century, remedies devised and manufactured by the Geo. H. Lee Co. have been recognized as the highest in effectiveness and most dependable.

VAPO-SPRAY and LEEMULSION

These "twin remedies" have been used with best success for many years by thousands of flock owners in the treatment of diseases of the breathing passages. Simply spray Vapo-Spray in the air of the poultry house. Its soothing, germicidal oils, in vapor form, are breathed down through head, throat and windpipe. Leemulsion, fed in the mash, allays cough and reduces temperature. ONE WORKS FROM THE INSIDE OUT AND THE OTHER WORKS IN FROM THE OUTSIDE. A common sense treatment.

Vapo-Spray—32-oz. can 75c; ½-gal. can \$1.25; gal. can \$2.25.

Leemulsion—12-oz. bottle \$1.25; 32-oz. \$2.25. F. O. B. Medford.

**"SAVES
so many
CHICKS"**



GERMOZONE

Quickly corrects and prevents simple diarrheas and digestive disorders. Destroys molds and bacteria in the crop as well as in the drinking water. A teaspoonful to the quart of water three times a week. Just as valuable for grown fowls. Wonderful for Occular Roup, Limberneck and many other ailments, requiring individual treatment.

4-oz. bottle 40c; 12-oz. 75c; 32-oz. \$1.50; half gal. \$2.50. F. O. B. Medford.

WORM
YOUR *Birds*
with
The GIZZARD CAPSULE



Most fowls have Tapes and Ceca or Pin Worms as well as Round Worms. All three kinds greatly reduce egg production. The Gizzard Capsule is most effective against Large Round, Large Tape and Pin Worms, because it does not depend upon only one drug for each kind but has two or more expellants for each kind. And its medicine is carried through to the gizzard in the patented insoluble coating. Safe, and sure of best results.

Adult Size: Pkg. of 50, 75c; 100-pkg., \$1.35; 250-pkg., \$3.00; 500-pkg., \$5.50.

Pullet Size: Pkg. of 50, 50c; 100-pkg., \$1.00; 250-pkg., \$2.50.

Chick Size: Pkg. of 50, 40c; 100-pkg., 75c; 250-pkg., \$1.75.



**Just Paint
it on the
Roosts!**

NOT A
POISON

USE "BLACK LEAF 40" to kill body lice on poultry, paint the roosts with a thin coating of "Black Leaf 40" (full strength) shortly before roosting time, using 1/2 lb. to about 100 feet of roost. Under average conditions 2 pounds will paint about 400 running feet of roosts and cross-arms. If roosts have been white-washed, clean off the lime completely before painting. 1 oz. 35c; 5 oz. \$1.00; 1 lb. \$2.25; 2 lbs. \$3.25; 5 lbs. \$5.85; 10 lbs. \$10.60. Prices subject to market change without notice, and f. o. b. Medford.

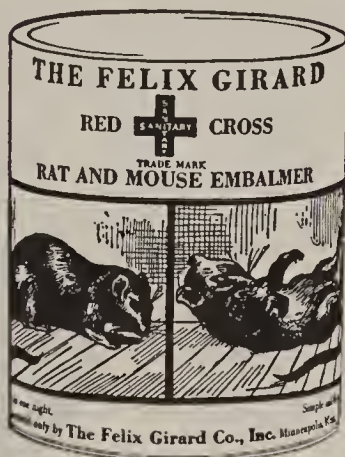
POULTRY PUNCHES. Practical punches for marking baby chicks. Punch clean holes in the web of the foot.



No. 39 Punch. Each50c



Petty's Punch. Each.....25c



RED CROSS RAT AND MOUSE EMBALMER will quickly rid your premises of these pests without any discomfort to you. It embalms them—dries them up—mummifies them. Post-paid prices: Small size 55c; large size \$1.10. Small size takes care of 500 sq. ft. one application. Large size sufficient for 1,200 sq. ft. one application.



"CYCLONE" Seeder is the most widely known and used seeder of all broadcast seeders. The working parts are all attached to a rigid frame of kiln-dried lumber. Built into this is a sloping feed-board that forms the bottom of the seed compartment. It is unnecessary to tilt the machine as gravity keeps the seed flowing down to the outlet until seed bag is empty. Shipping weight 5 pounds.

Price, \$2.50

Please add postage to items not postpaid.



K-R-O
KILLS-RATS-ONLY

Harmless to humans, live-stock, poultry; made of red squill

K-R-O (powder form) 75¢.
READY MIXED (no bait to buy) \$1.00.

K-R-O Co. Springfield, Ohio.

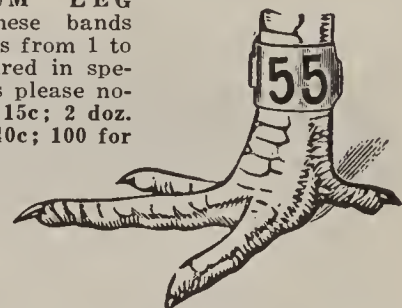
**RESULTS
GUARANTEED**



INCUBATOR THERMOMETERS — Tested and tried.

Standard. Each...\$0.75
Certified. Each... 1.25

ALUMINUM LEG BANDS. These bands bear numbers from 1 to 1000. If desired in special numbers please notify. 1 doz. 15c; 2 doz. 25c; 50 for 40c; 100 for 65c.



CELLULOID SPIRAL LEG BANDS. Universally used band markers, come in 8 colors and in different sizes to fit all breeds.

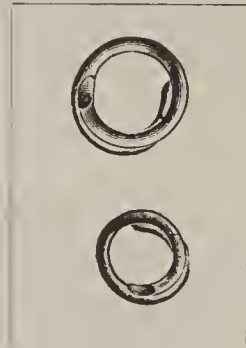
Leghorns, doz. 10c; 50, 30c; 100, 50c.

R. I. Reds, doz. 15c; 50, 40c; 100, 60c.

Plymouths, doz. 15c; 50, 40c; 100, 60c.

Turkey, doz. 20c; 50, 60c; 100, \$1.00.

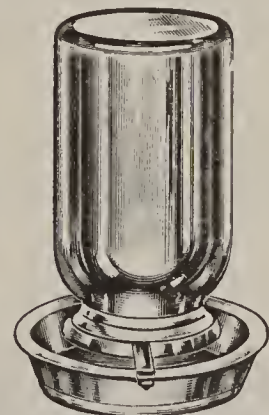
State color wanted.



MASON JAR FOUNTS. Glass Pan, Clip Type. Fine for buttermilk feeding or watering chicks. Clip attaches to any size Mason jar. Pan is heavy molded glass with smooth edge. Jar and clip quickly detached for filling.

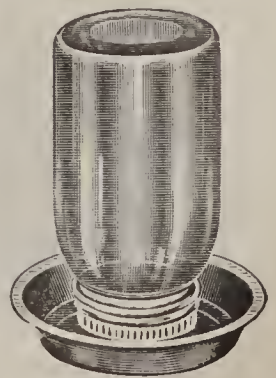
Cat. No. 365G. Shipping weight, packed lb. each.

Price each 15c; 2 for 25c; \$1.35 doz.

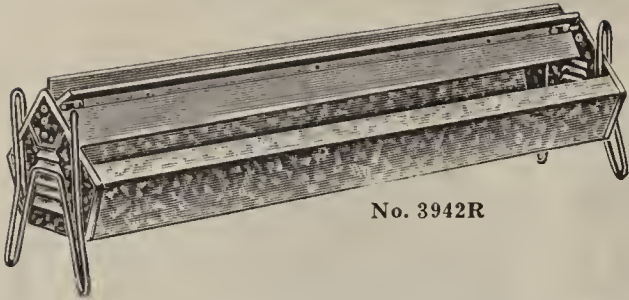


SCREW CAP TYPE ENAMELED PAN, for use on Mason jars. Jar screws in cap which is spotwelded to pan. Die-stamped pan with curled edge. Pan 6 in. diameter. Attractively finished in air-dry enamel. Jars not furnished.

No. 69B. Shipping wt. packed, lb. each. Price each 10c; \$1.00 doz.



CHICK FEEDER TROUGHS



No. 3942R

CAT. No. 3942R—OAKES BROILER TROUGH with 4-blade revolving reel. Adjustable wire stand keeps litter out of trough. Adjust as chicks grow. Trough is 6 $\frac{3}{4}$ in. wide, 3 in. deep. Made of 26-gauge galvanized steel. A heavy serviceable trough for growing chicks or broilers. 1 in carton, 42 inches long. Shipping weight 19 lbs. Price each \$1.35.



No. 106A

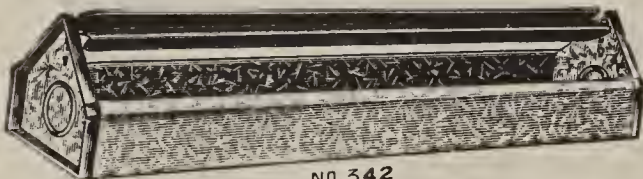
Seamless die-stamped one piece trough with all metal revolving reel. Can be used for feed or water. Edges along trough edge are folded and turn in to prevent feed waste. Reel revolves to prevent roosting. Just the trough to start your chicks right. Three sizes.

No. 304A—Length 12 in., wt. 1 lb. Each.....\$.15

No. 105A—Length 18 in., wt. 2 lbs. Each..... .20

No. 106A—Length 24 in., wt. 3 lbs. Each..... .25

REEL TOP CHICK FEEDER



No. 342

Three lengths, all 4 inches wide, 2 inches deep. Die-stamped ends are inset for strength. Trough of 26-gauge galvanized steel. Reel is adjustable to 3 positions for chicks of any age from day-old to pullet size. Reel revolves to prevent roosting. Turned in flange to prevent feed waste.

No. 343—Length 36 in., shipping wt. 3 lbs. Each.\$.50

No. 344—Length 48 in., shipping wt. 4 lbs. Each. .60

ADVANCE ELECTRIC HOVER

A splendid low-price outfit for use in brooder houses when outside temperature is around 45 degrees. Automatic thermostat heat control. Ventilated canopy. Enclosed heating element. Round center section heavily insulated. Adjustment screw is on outside of canopy. No. 520 is round center section only. Other sizes as illustrated. A dependable brooder with all the labor saving advantages of electricity. Each brooder comes complete with 110-120 volt heater, legs, curtain, 8-foot drop cord and plug, pilot light, thermometer and regulator. Three sizes. Capacity given for day-old chicks.

No. 521—Size 48 in.; capacity 132-150; wattage heater, 450; shipping weight 35 lbs. Price.....\$11.50

No. 522—Size 56 in.; capacity 300-350; wattage heater, 550; shipping weight 40 lbs. Price..... 12.90

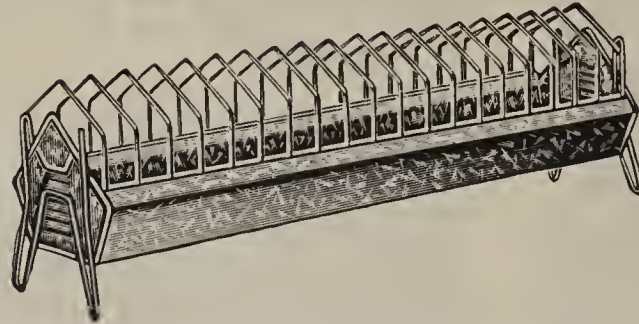


GRO-FAST FEEDERS

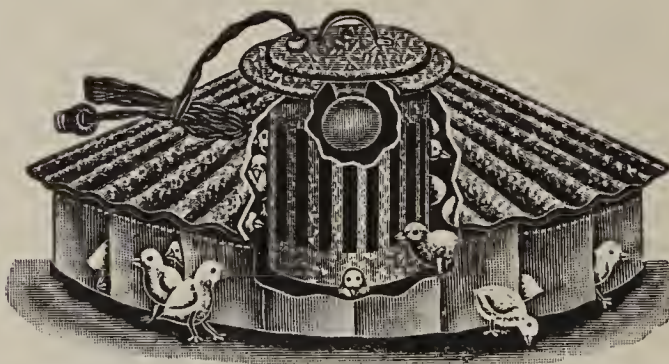
No. 724N—Revolving 4-blade metal reel prevents roosting. Adjustable for chicks of various ages. Wire stands permit adjusting trough height as chicks increase in size. Keeps litter out of feed. Trough made of 26-gauge galvanized steel. Flange along edge prevents feed waste. Trough is 4 $\frac{1}{4}$ in. wide, 2 $\frac{1}{4}$ in. deep. Wedge shaped. Made in three lengths.

No. 724N—Lgth. 24 in., ship. wt. 4 lbs. Each....\$.60

No. 736N—Lgth. 36 in., ship. wt. 5 lbs. Each.... .85



CAT. No. 3942W—OAKES BROILER TROUGH with hinged wire grill. Keeps chicks from fighting at the trough. Grill lifts for easy filling and cleaning trough. Same dimensions as reel type shown at left. Can be used for small pullets. Made in 42-in. length only. One in carton, weight 10 lbs. Price each \$1.50.



No. 25E

Electric Hover for 50-60 chicks. Galvanized steel canopy 25 inches diameter. Canvas curtain to retain heat. Supported in center by metal housing which also protects light bulb or cone heater. Uses 50 to 100 watt bulb. Bulb not furnished. Comes complete with 8-foot drop cord and plug. One in carton, weight 7 lbs. Each \$2.50.



No. 20

No. 20S—OAKES EGG SCALE and GRADER show weight of each egg and weight per dozen on double dial. Accurate, dependable, fast. Adjustable to grade eggs of any weight. Working parts rust-proofed. Weighs from 18 to 30 oz. per doz. One in carton, weight 2 lbs. Each \$1.60.



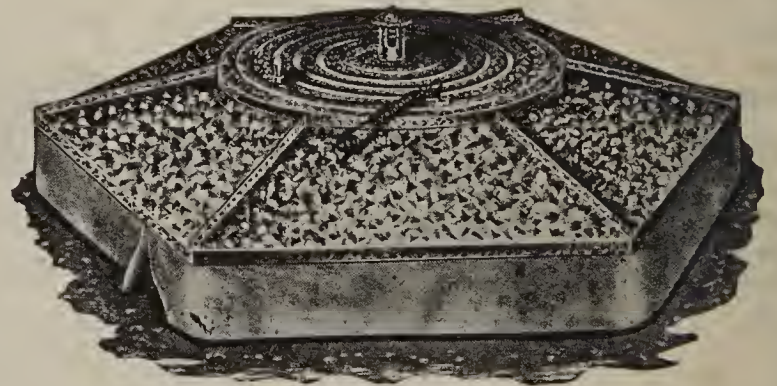
E-Z FILL FOUNTS

No. 32

Made of heavy gauge materials throughout. Brass spring valve on inner tank. Operates on vacuum principle like No. 93. Rust-proof cone top. Outer tank has bail for use as pail. Inner tank has cross handle. Ideal for chicks, pullets or hens. Two sizes. Packed one in carton.

No. 31—Capacity 3 gals., ship. wt. 10 lbs. Price each.....\$2.20

No. 32—Capacity 5 gals., ship. wt. 12 lbs. Price each.....\$2.90



No. 522

ELECTRIC HEATED BROODERS

Brood chicks Nature's way. Chicks hover under the canopy as under a hen. Automatic thermostat maintains a constant temperature under the canopy responding quickly to all temperature changes. Circular heating element, fully enclosed, has nichrome resistance wire. Two-year service guarantee on heater. Canopy has adjustable ventilator tube in center—prevents moisture accumulation under canopy. Canopy is made of 26-gauge galvanized steel with adjustable legs. Heavily insulated. On current rates of 3 to 7 cents per K.W.H. costs less to operate than oil or coal brooders. Average of 280 K.W.H. used in 10 weeks brooding period.

No. 752 Electric Canopy—52 in. square, shipping weight 100 lbs. Broods 350 to 385 chicks. Price each, f. o. b. Medford, \$25.00. Price each, f. o. b. Portland, Oregon, \$23.00

Each brooder comes complete with automatic heat control, pilot light, thermometer, detachable curtains, legs, 8-foot drop cord and plug, completely assembled and ready to plug in. 110-120 volt heating element, 550 watts.



Single Wall
No. 100B

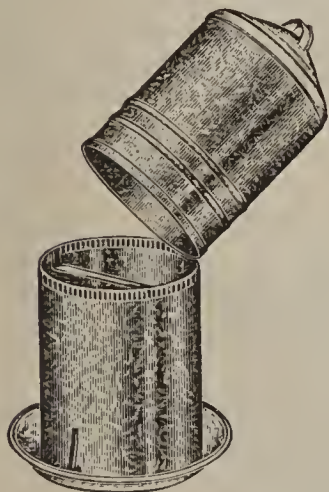
No. 100B Tank snaps on to pan which has 6 drinking cups each large enough for two chicks. Tank held in place by friction. Inverts to fill. Handle for carrying. Inexpensive but good. Made of heavy gauge galvanized steel. Capacity 1 gallon. Shipping wt., packed, 3 lbs. Price each 55c.

No. 100C—2 gal. Shipping wt., packed, 5 lbs. Each 80c.



OAKES FOUNTAIN No. 203—Excellent for chicks or grown fowls. Made of heavy gauge galvanized steel. Die stamped pan. Top has two-way swinging bail, permits fount to be carried when filled. Inverts to fill. Pan held in tank by three clips. Easy to clean and fill. Capacity 3 gals. Packed in carton weighing 5 lbs. Price each \$1.45.

No. 202—Capacity 2 gals. Shipping wt. 4 lbs. Price each \$1.25.



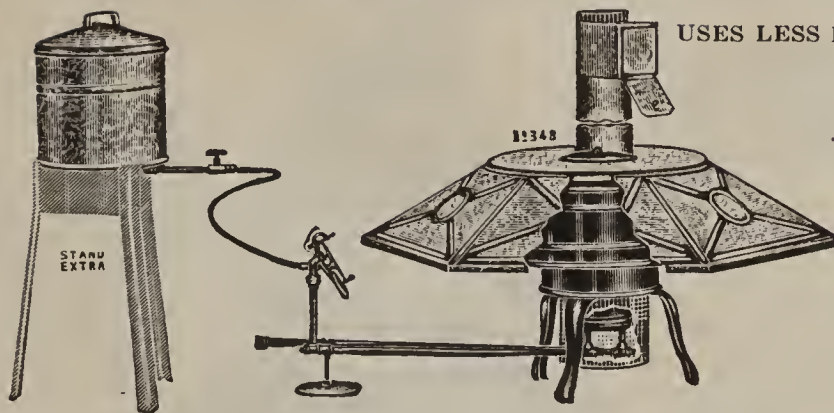
Oakes Double Wall
POULTRY FOUNTS
No. 93

Made of 28-ga. galvanized steel. Outer tank opens brass spring valve when slipped into place. Operates on vacuum principle. Roost-proof cone top. Handle for carrying when filled. Cross-handle on inner tank of No. 93 and No. 192 carried by top handle when locked to inner tank. Made in 2 sizes, packed 1 in carton.

No. 192—Capacity 2 gals., ship. wt. 5½ lbs. Price each...\$1.35

No. 93—Capacity 3 gals., ship. wt. 7 lbs. Price each.....\$1.65

Oakes Acorn Oil Brooder



USES LESS FUEL—MAKES CHICK RAISING EASY

1. Burns Kerosene or Distillate.
2. Big Heater Drum 22¾ in. diameter.
3. Drum is 7¾ in. deep. Well baffled.
4. Almost 7 ft. flame travel in drum.
5. Automatic Thermostat Regulator.
6. Efficient AIR-FED Burner.
7. Automatic Draft Equalizer.
8. Fuel Reservoir, 6-gal. capacity.
9. Safety overflow pipe.
10. Safety Wire Guard around burner.
12. Low fuel consumption.

HEAT DEFLECTOR TOP

and canopy catch all the heat—forces it to the canopy wings and down to the floor. Baby chicks are brooded on the floor, not on rafters. No heat is wasted by rising direct to top of brooder house. ACORN BROODERS utilize all the heat—prevent heat waste. Fresh warm air circulates under the canopy and between heater drum and deflector top—clearance more than 2 inches. Heat is evenly distributed by canopy. The larger the canopy the bigger the heated floor area.

AUTOMATIC HEAT CONTROL

For low cost brooding use an OAKES ACORN BROODER. Produces an abundance of controlled heat. Burns from 1 to 4 gallons of fuel in 24 hours, depending upon size of brooding house and outside temperature. Few stoves can be adjusted to burn as little as 1 gallon in 24 hours.

AIR FED BURNER

The ACORN BROODER gives you an extra heavy burner construction. Big cone type oil cracking surface. Extra deep oil well. Oil inlet guarded to pre-

vent carbon getting into fuel supply line. Air is fed to burner ring between the two cast iron burner plates. Is preheated when it reaches the flame. Burns with an intense flame. Minimum soot and carbon accumulation. Easy to clean burner through hole in top of drum. Will burn for days without attention.

TWO CANOPY SIZES

Each stove complete with fuel and overflow pipes, pipe supports, copper tubing, 6-gal. fuel tank, safety wire guard, draft equalizer, canopy and heat deflector top. Canopy dimensions from flat side to flat side. From point to point measure 6 inches more.

No. 547—Canopy size, 42 in.; chick capacity, 500; shipping weight, 75 lbs. Price each, Medford, Ore., \$20.75. Price each, Portland, Ore., \$19.20.

No. 557—Canopy size, 52 in.; chick capacity, 750; shipping weight, 85 lbs. Price each, Medford, Ore., \$22.50. Price each, Portland, Ore., \$20.55.

STAND EXTRA

Stand No. 361—1 in bundle, wt. 6 lbs. Each...\$1.00

Flex-O-Glass

For Health, Warmth & Economy
Use in place of Glass



Use it to Keep Out Wintry Winds at One-eighth the Cost of Glass and Better

FLEX-O-GLASS is indispensable for poultry house openings, hotbeds, sleeping porches: in fact, you will not be without it once you have used it. A hammer, some tacks and a shears is all that is necessary to install FLEX-O-GLASS.

FLEX-O-GLASS admits the valuable ultra-violet rays of the sun. It is weatherproof and waterproof. The hot summer sun has no effect upon this material. Put chicks in Flex-O-Glass brooder houses. The ultra-violet rays will keep them free from rickets. You'll get broilers for market and laying pullets a third earlier. Use it on your hotbeds, and if you wish to enjoy solid comfort, enclose your sleeping porches with Flex-O-Glass.

SPECIAL TRIAL OFFER—Send \$4.75 for 15 yards of Flex-O-Glass, postpaid to your station. If you desire larger rolls we can supply in any quantity at the same price per yard as in 15-yard rolls. In less than 15-yard rolls our price is 40c per yard, postage paid.



Extra eggs or chicks saved pay for this Flex-O-Glass Scratch Shed in a few days.



Ideal for enclosing porches, health rooms, covering screen doors, etc.



Flex-O-Glass hotbeds grow plants quicker and much stronger.



Easily nailed on barn, chicken coop, hog house and garage windows.

Sherwin-Williams Insecticides

Cover the Fruit for Protection



Come in or write for a FREE copy of "GARDEN SPRAY GUIDE." Tells how to identify the pests—what to use and when to spray.

Prices are F. O. B. Medford
Unless otherwise noted.



*Spray Flowers and Roses Often
to Avoid Diseases*

PRUNING COMPOUND

A wound dressing to be applied where limbs have been removed. Does not injure exposed tissue and allows the treated wounds to callous normally. S-W Pruning Compound contains 2 per cent Metallic Copper, which is the best fungicide known. Prevents Heart Rot and certain other fungus infections.

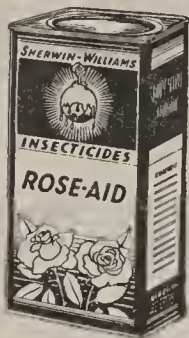
Pint.....40c Quart.....75c Gallon.....\$2.50

ROSE-AID

(Stomach Poison and
Contact Fungicide)

An especially prepared dust for roses. Will control Black Spot and Mildew on rose bushes. May be used also for Rust on asters, hollyhocks, and carnations; Mildew on phlox, larkspur, golden glow, dahlia, chrysanthemums, zinnia and sweet peas.

2 lbs.....60c

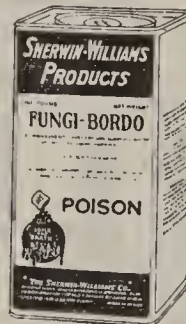


FUNGI-BORDO

(A Fungicide)

A chemically combined Bordeaux mixture for control of fungus diseases on trees and shrubs. Use for Leaf Curl and Blight on Peaches, Scab on Apples and Pears, Mildew, Rust, Strawberry Leaf Spot, Celery Blight and as a repellent for Flea Beetles on Garden Plants.

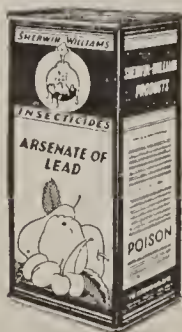
1 lb.....30c 4 lbs.....50c



NICOTINE DUST

A safe dusting material containing nicotine for control of plant Lice and THRIPS. Especially formulated for use on delicate plants that may be susceptible to injury from other sprays.

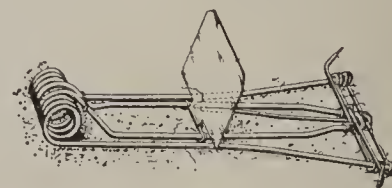
1 lb.....45c 5 lbs.....\$2.00
10 lbs.....\$3.50



ARSENATE OF LEAD

A stomach poison spray for control of leaf eating insects such as Caterpillars, Beetles, Slugs and for the Apple and Pear Worm. May be applied either as a liquid spray or a dust.

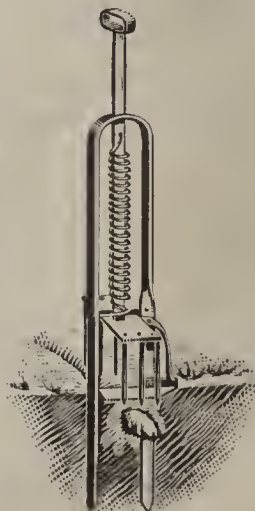
1/2 lb.....20c 1 lb.....30c
4 lbs.....60c



REDDICK MOLE TRAP

The most popular Mole Trap on the market. Made in tinned steel. Japanned steel coil spring. Six steel prongs 5 inches long. Simple, safe and strong. Pulling up the plunger rod of this trap the trigger catches itself, making it a self-setting trap. The Reddick works perfectly in loose soil, but in case of packed or hard soil we do not recommend it. The OUT-O-SIGHT trip is the best trap for use in soil that is pebbly, rocky or packed. Weight 4 lbs.

Each, \$1.50, postpaid.



DRY LIME SULPHUR

(Contact Spray)

A Lime Sulfur spray in dry form to be mixed with water for control of San Jose Scale, Pear Leaf Blister Mite, Mildew, Moss, Apple and Pear Scab.

1 lb. 35c 5 lbs. \$1.50
25 lbs. \$2.75



PESTROY

Contains a stomach poison and contact fungicide. A combination spray for control of leaf eating insects and fungus diseases. Recommended for potatoes, beans and all garden crops as well as shrubbery.

1 lb.....35c



YUCCA TREE PROTECTORS

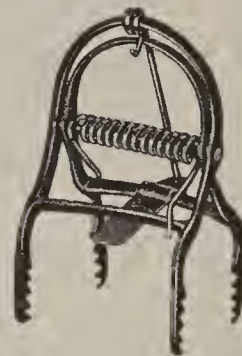
A Fiber, Wire Banded
Protector for Fruit
and Shade Trees

Our Yucca Tree Protectors protect your trees from winter freezes, rabbits, borers, squirrels and sun-scald. Yucca is by far the best veneer that has ever been found for tree protection. It is fibrous and admits plenty of light and air and is pliable. The wires going entirely around the protector hold it in place even if it cracks some with wear.



	Weight per M.	Price small lots	Per 100 500 lots	Per 1,000
14 in.	90 lbs.	2c each	\$1.75	\$15.00
16 in.	100 lbs.	2 1/2c each	1.85	16.00
18 in.	125 lbs.	2 1/2c each	2.15	20.00
24 in.	150 lbs.	3c each	2.50	22.00

Packed in bundles of 25. We do not split bdl



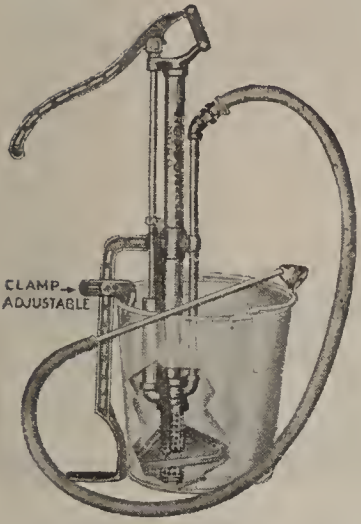
OUT-O-SIGHT MOLE TRAP

Absolutely reliable. Directions for setting and full directions of the mole's habits furnished with each trap. Heavy powerful springs, malleable iron jaws. Teeth designed so as not to injure the hide. Height 8 1/2 in. Spread of jaws 2 3/4 in. Weight each, 1 1/2 lbs. Price, \$1.50, postpaid.

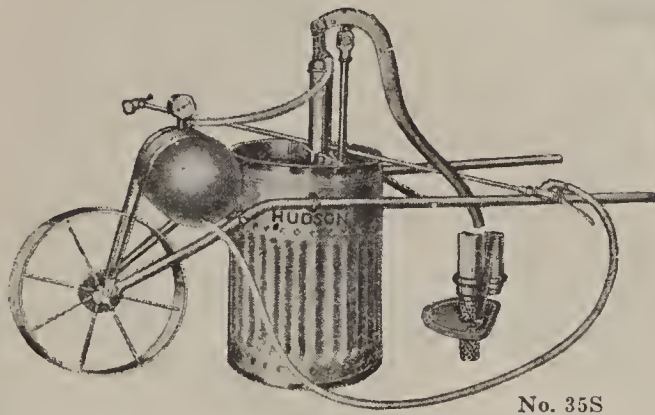
MACABEE GOPHER TRAP. There are more Macabee traps sold than all other makes combined. They are inexpensive and very efficient. Designed for exterminating the wily Pocket Gopher. Weight 1/2 lb. Price, each 30c, postpaid.

HUDSON SPRAYERS

A SPRAYER FOR EVERY PURPOSE
PRICES F. O. B. MEDFORD, OREGON

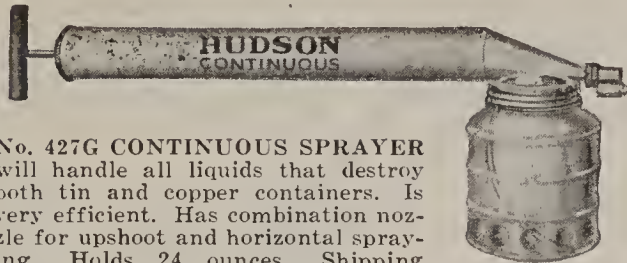


The **MORO PUMP** is designed for use with whitewash, cold water and cement paints, etc. Is equipped with special agitator which thoroughly mixes liquid. Fits in pail or small barrel. Shipping weight 12 lbs. Price each, \$7.00.



No. 35S

No. 35S **HEAVY DUTY SPRAYER** is a heavy duty outfit developing 200 lbs. pressure. Has 18 gallon container. Pressure tank can be disconnected to handle whitewash and other liquids with sediment. Shipping weight 107 lbs. Price each, \$36.50.

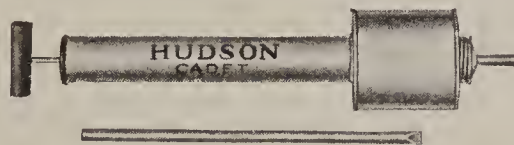


No. 427 G

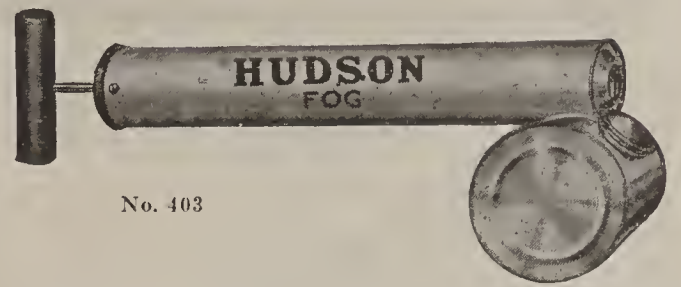
No. 427G **CONTINUOUS SPRAYER** will handle all liquids that destroy both tin and copper containers. Is very efficient. Has combination nozzle for upshoot and horizontal spraying. Holds 24 ounces. Shipping weight 4 lbs. Each \$1.35.



The **SIGNAL DUSTER** is a favorite around the home. Handles all powders. Powder reservoir 1½ x 3. Shipping weight 2 lbs. Each 40c.

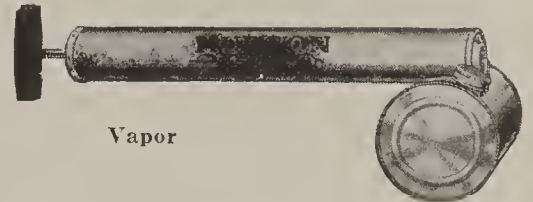


The **CADET DUSTER** now has a very wide range of usefulness. Handles all powders and gives a very even distribution. Powder reservoir 3x4 in. Shipping weight 3 lbs. Price each 60c.



No. 403

No. 403 **FOG SPRAYER** handles all fly oils and insecticides and does not permit any liquid to drop on rug, chair, etc. The capacity is about 1 quart. Shipping weight 2 lbs. Price each 50c.



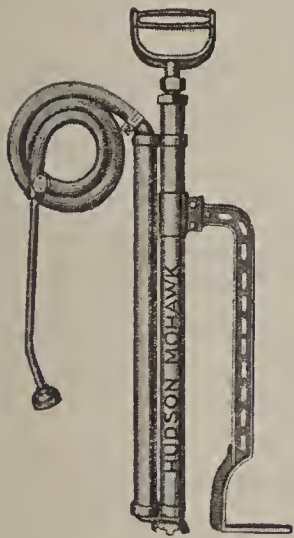
Vapor

The **VAPOR** meets the demand for a small inexpensive household sprayer. Holds about 1 pint. Shipping weight 2 lbs. Price each 30c.



No. F10

No. F10 **CONTINUOUS SPRAYER** is a good low-priced continuous sprayer. Holds over a pint. Detachable can easy to clean. Shipping weight 3 pounds. Price each 60c.



The **MOHAWK** is probably the most popular pump made. Has separate air chamber and develops and maintains a very high pressure. Handles nearly all solutions. Shipping weight 10 lbs. Price each, \$3.90.

Oakes "STURDY BOY" Sprayer WITH FUNNEL TOP



E-Z Grip
Shut-Off
Valve

Funnel Top
Easy to Fill
No. 135GF

OAKES E-Z FILL SPRAYER

COMPRESSED AIR

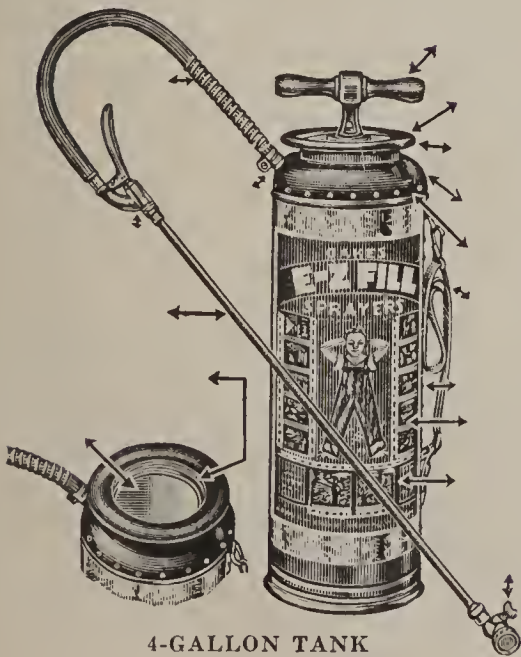
Study the illustration. Each arrow points to a distinctive feature. Double grip pump handle for high pressure with less effort. Funnel opening is 4 in. diameter. Brass funnel — big screw cap. Round head makes tank easy to empty. Can reach to bottom of tank through 4-in. top for removing sediment or wiping dry. Heavy molded rubber hose, oil and chemical resistant. Easy grip brass shut-off valve.

ADJUSTABLE NOZZLE

May be set at any angle. Adjustable to "up-spray" position, you can spray underside of leaves of low growing plants. Gets Mexican Bean Beetles and Aphids. This nozzle adjustment makes the sprayer 50 per cent more efficient than conventional type sprayers.

HEAVY MATERIALS THROUGHOUT

Tank is 7¾ in. diameter, 21 in. high. Rolled edge on side wall with bottom inset between heads. Prevents injury to tank. Tank riveted and soldered. Pump is 15 in. x 1¼ in. Tested under high pressure. Either brass or galvanized tank. Packed one in carton. See price table.



4-GALLON TANK

BRASS OR GALVANIZED TANK

Cat. No.	140G	140B
Material Tank	Galv.	Brass
Shipping Weight	11½ lbs.	11½ lbs.
PRICE EACH	\$6.25	\$9.50

2 SIZES—BRASS OR GALVANIZED TANK

Cat. No.	135GF	20GF
Material	Galv.	Galv.
Length Pump	14 in.	12 in.
Tank Diameter	7¾ in.	6¼ in.
Tank Height	19½ in.	17¾ in.
Shipping Weight	9½ lbs.	7 lbs.
PRICE EACH	\$4.50	\$4.25

Planet Jr. Tools

Make Gardening Easier

Planet Jr. No. 4 Hill and Drill Seeder and Single Wheel Hoe. Price, \$19.00 f.o.b. Medford. Shipping wt. 50 lbs.



No. 4D Seeder only. Price, \$15.50 f.o.b. Medford. Shipping wt. 40 lbs.

The No. 4 is a combination of the most useful tools for a moderate sized garden. Plants almost all vegetable seed in continuous rows or in hills 4, 6, 8, 12 or 24 inches apart. A plow adjustable for depth opens a straight narrow furrow, the seeds are dropped in it, are covered and the soil firmed and the next row marked out all in the same operation. Converted into a Single Wheel Hoe by changing one bolt. Cultivating equipment includes all the essential equipment for hoeing, weeding, cultivating, plowing, furrowing, ridging, etc. The tools are oil hardened and tempered and will wear almost indefinitely.

The Planet Jr. No. 119 is a sturdy, dependable high wheel garden plow. The frame is steel, the wheel is steel, with steel spokes. The cultivating attachments are oil-hardened and tempered and will give excellent service. Having a 24-inch wheel the No. 119 works easily in rough and uneven soil.

Planet Jr. Double Wheel Hoes are almost universally used by professional vegetable growers. They will straddle the crop, working both sides of the row at once until the plants are 20 inches high. The No. 12 is the most popular double wheel hoe because it includes a complete assortment of equipment to do almost any gardening job.

Planet Jr. No. 12 Double Wheel Hoe. Price, \$12.00, f.o.b. Medford. Shipping wt. 33 lbs.



Planet Jr. No. 119 High Wheel Garden Plow. Price, \$4.25 f.o.b. Medford. Shipping wt. 20 lbs.



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Prices F. O. B. Medford



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Large cans, wt. 4 lbs. 1.25

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FRESHENING PRESCRIPTION. For cows and heifers, for expelling the afterbirth. To prevent retained after-birth. 1 lb. can \$1.00.

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DR. ROBERTS PHYSIC BALLS. Like all of these famous stock remedies, Physic Balls will do the work. Pkg. 50c.

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Monarch
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